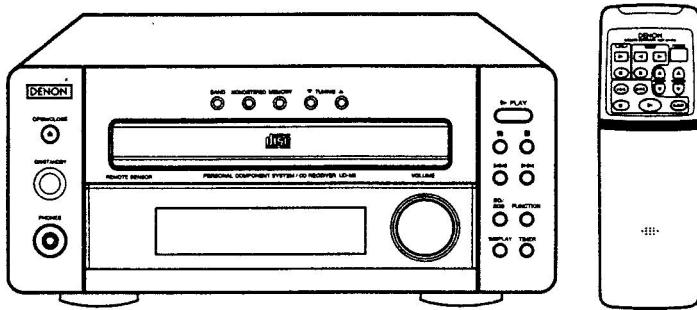


# DENON

Hi-Fi Personal Component System

## SERVICE MANUAL MODEL UD-M3 STEREO CD RECEIVER



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● Some illustrations using in this service manual are slightly different from the actual set.

**NIPPON COLUMBIA CO., LTD.**

## SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

### LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 millamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

## SPECIFICATIONS

### ● Receiver section

Reception frequency band:	FM: 87.50 MHz – 108.00 MHz AM: 522 kHz – 1611 kHz      Europe, U.K. & Asia models AM: 520 kHz – 1710 kHz      U.S.A. & Canada models
Reception sensitivity:	FM: 1.5 $\mu$ V / 75 $\Omega$ / ohms AM: 20 $\mu$ V 35 dB (1 kHz)
FM stereo separation:	20 W + 20 W (6 $\Omega$ / ohms, 1 kHz, T.H.D. 10 %)
Rated output power:	TAPE input / output jacks, AUX input jacks, MD input / output jacks, PRE OUT (MONO) jack, 3.5 mm headphones jack
Audio input / output jacks	

### ● CD player section

Wow & flutter:	Below measurable limits ( $\pm 0.001\%$ W.peak)
Sampling frequency:	44.1 kHz
Optical source:	Semiconductor

### ● General

Power supply:	AC 120 V, 60 Hz      U.S.A. & Canada models AC 230 V, 50 Hz      Europe, U.K. & Asia models
Power consumption:	55 W
Maximum external dimensions:	210 (W) $\times$ 95 (H) $\times$ 337 (D) mm (8-17/64" $\times$ 3-45/64" $\times$ 13-17/64") (including feet, controls and terminals)
Weight:	4.1 kg (9lbs. 1 oz)

### ● Remote control unit (RC846)

Remote control system:	infrared pulse
Number of buttons:	54
Power supply:	Two DC 1.5V R6P / AA batteries
Maximum external dimensions:	67 (W) $\times$ 197 (H) $\times$ 21 (D) mm (2-41/64" $\times$ 7-3/4" $\times$ 53/64")
Weight:	145 g (5.1 oz) (including batteries)

- Maximum dimensions include controls, jacks, and covers.

(W) = width, (H) = height, (D) = depth

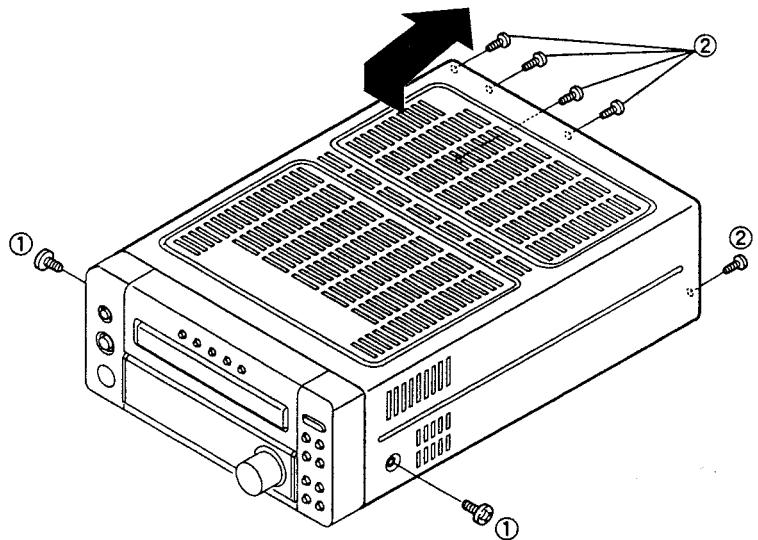
- For improvement purposes, specifications and functions are subject to change without advanced notice.

## DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

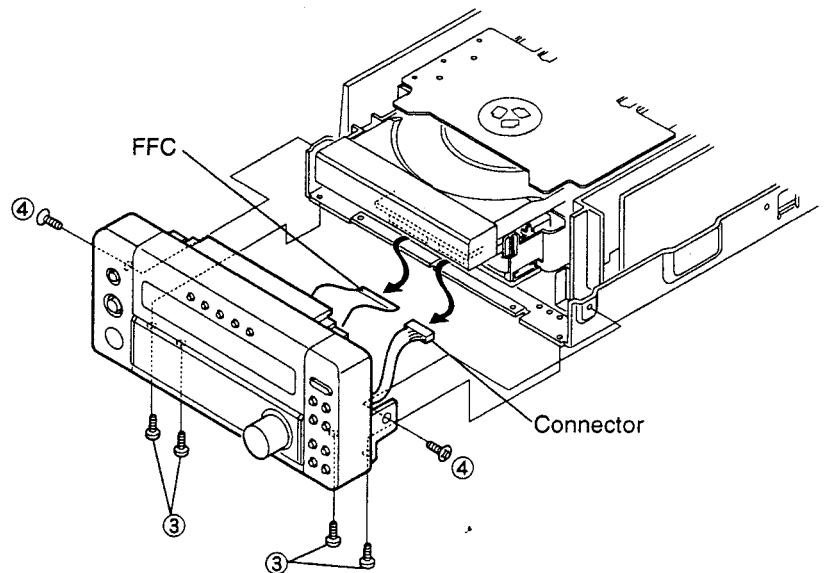
### Top Cover

1. Remove 2 screws ① on both sides.
2. Remove 5 screws ② on the rear.
3. Detach the Top Cover in the arrow direction.



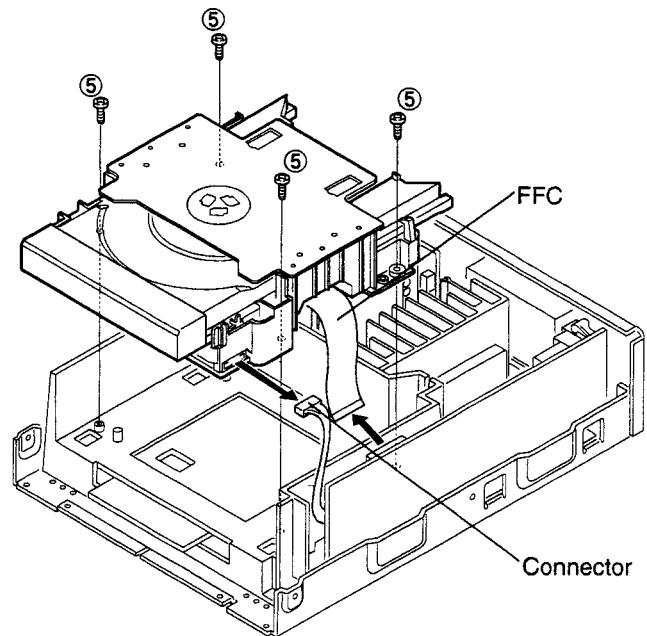
### Front Panel

1. Remove 4 screws ③ on the bottom edge of the Front Panel.
2. Remove 2 screws ④ on both sides.
3. Disconnect FFC and connector from Main P.W.B.

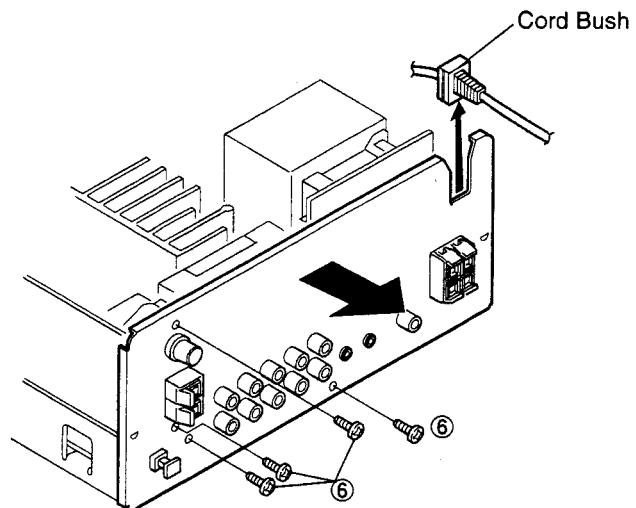


**CD Mecha.**

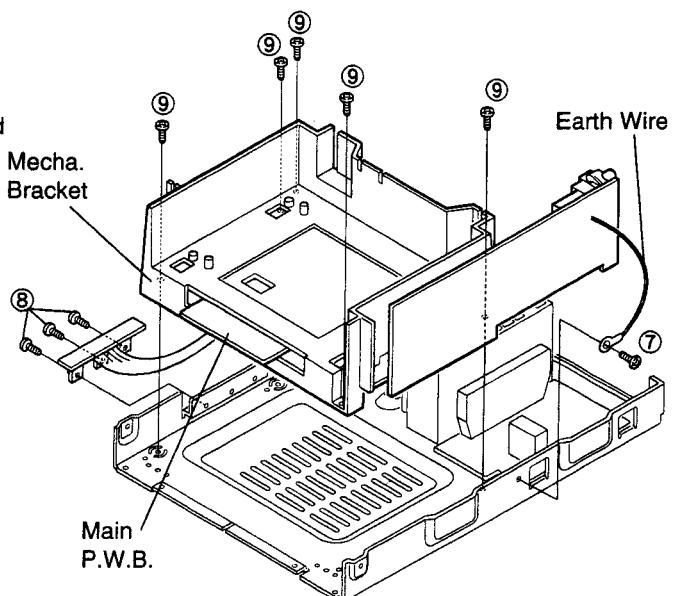
1. Disconnect connector coming out of Tuner/CD P.W.B.
2. Disconnect FFC cable coming out of the CD Mecha.
3. Remove 4 screws ⑤ fixing the CD Mecha.

**Rear Panel**

1. Take off cord bush from the Rear Panel.
2. Remove 4 screws ⑥.

**Main P.W.B.**

1. Remove screw ⑦ fixing the earth wire.
2. Remove 3 screws ⑧ fixing the P.W.B. at side.
3. Remove 5 screws ⑨, then detach the Main P.W.B. and mecha. bracket.



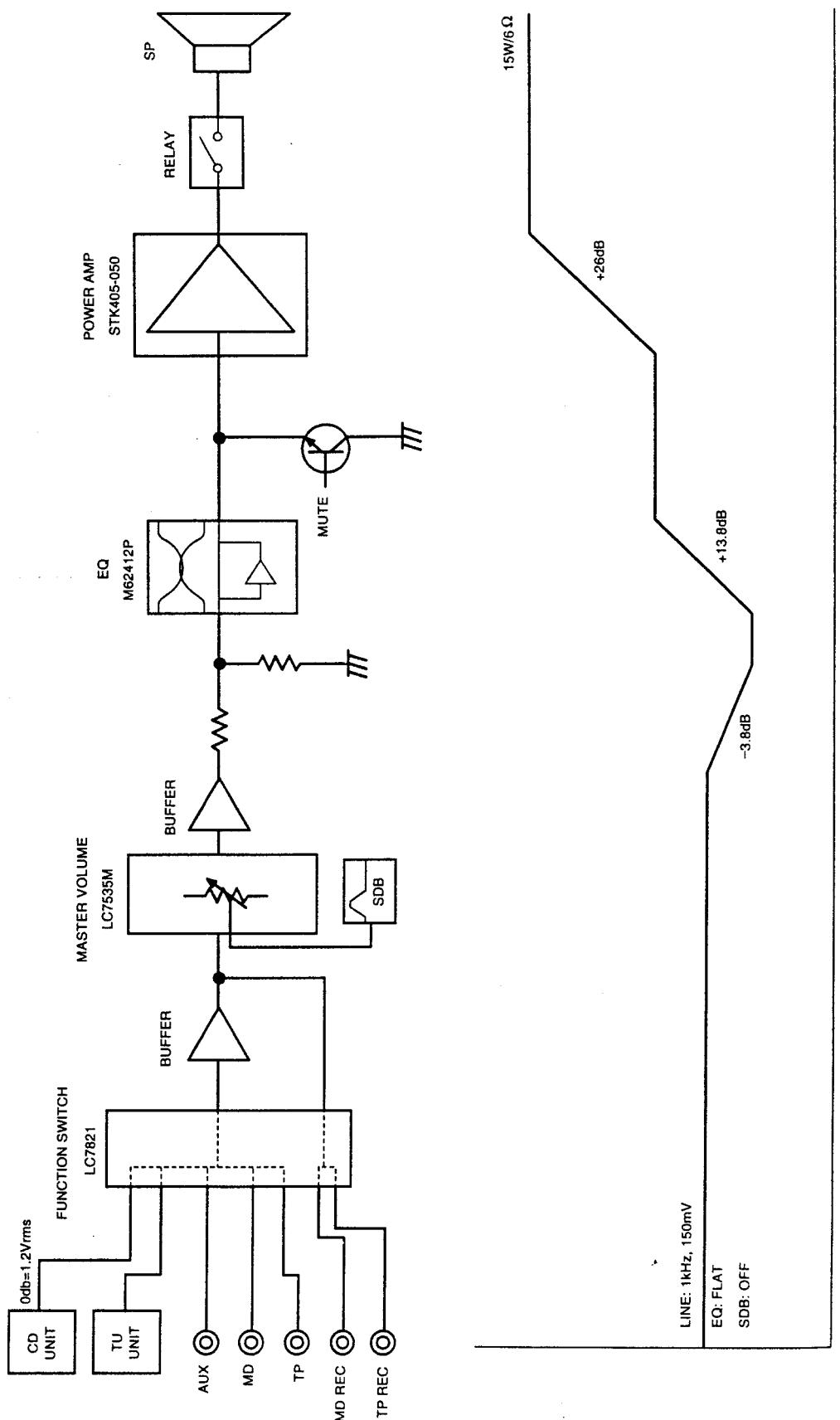
## BLOCK, LEVEL DIAGRAM

1

2

3

4



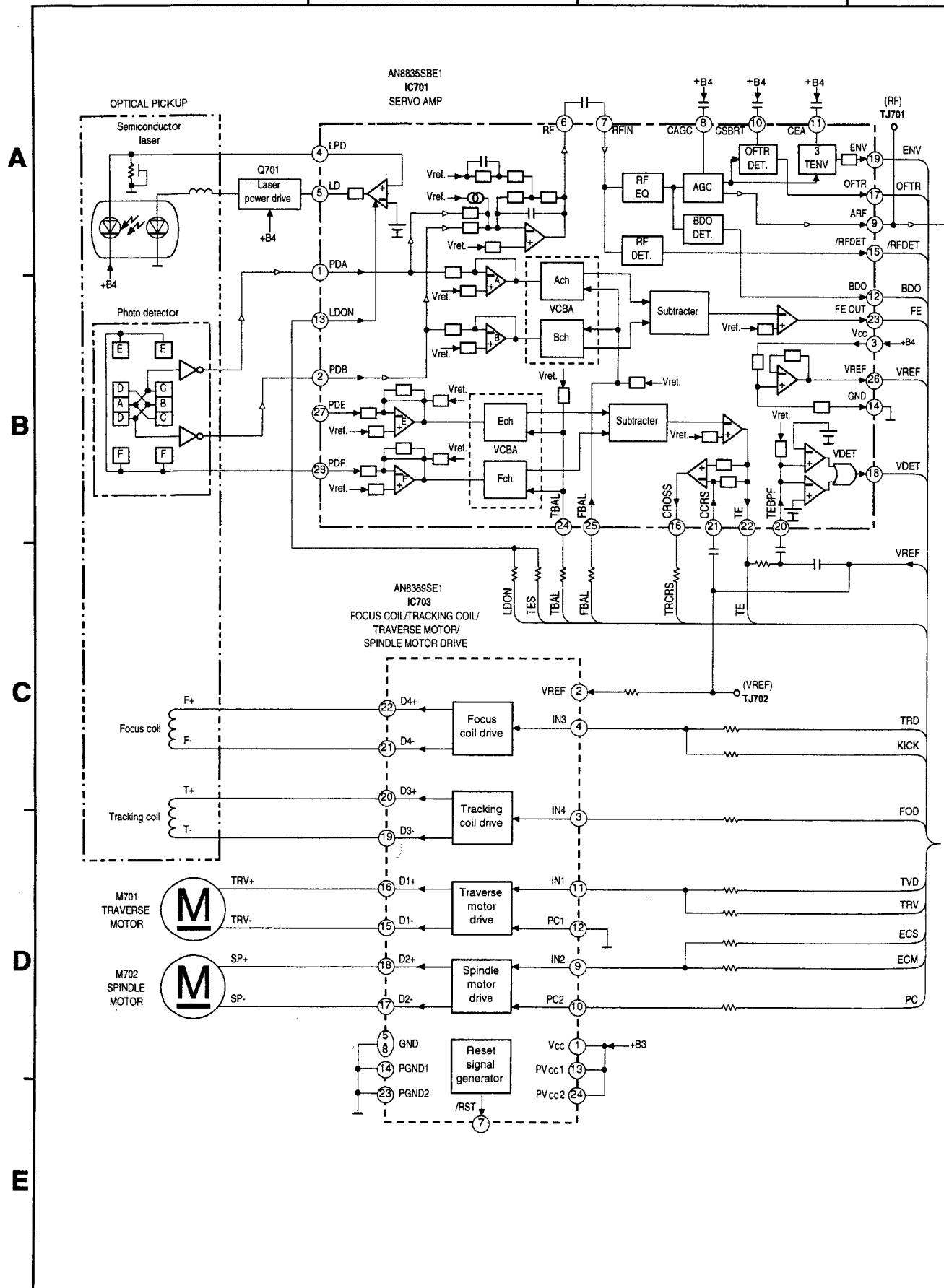
## CD MECHA BLOCK DIAGRAM

1

2

3

4

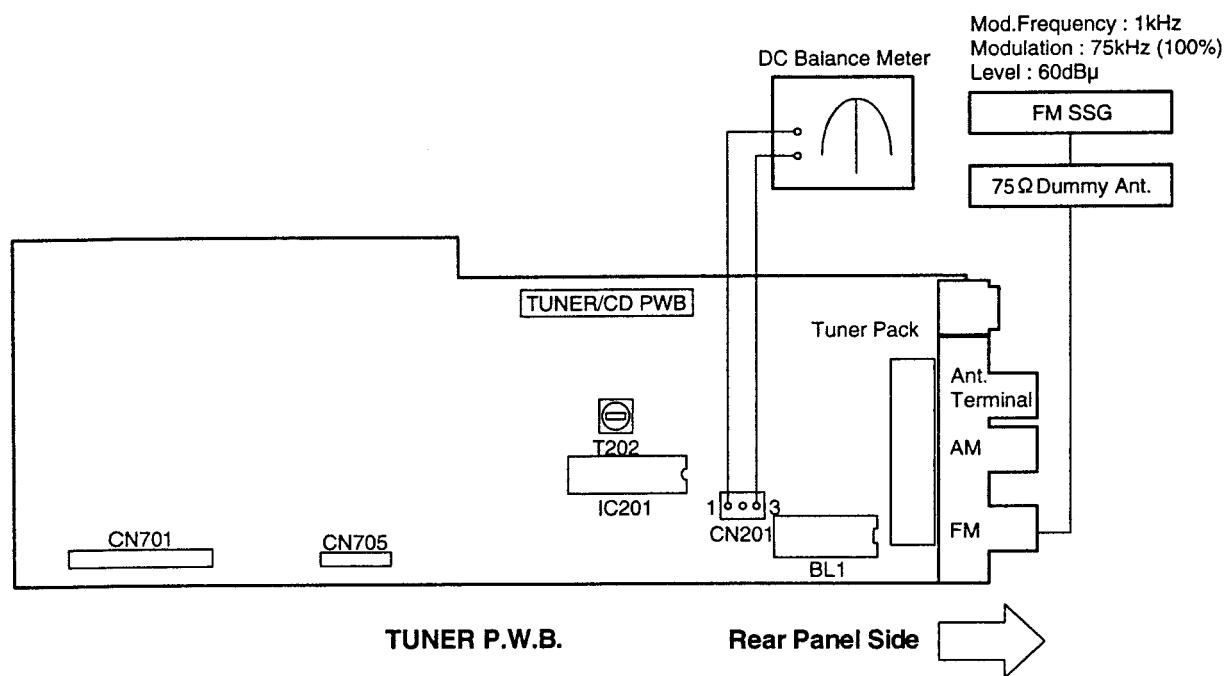


## ADJUSTMENT

### 1. TUNER adjustment (BAND button: FM, MONO/AUTO button: AUTO)

Adjustment item	Tuning point (channel setting)	Input					Output		Adjustment location	Setting value	Notes
		Measuring Instrument	Frequency	Input level	Modulation	Connection location	Measuring instrument	Connection location			
FM DC balance	98.00MHz	FM S.G.	98.00MHz	60dB $\mu$	1kHz 75kHz DEV	FM antenna terminal	DC balance meter	$\oplus$ CN201 $\ominus$ CN201	T202	0±30mV	Perform with monaural modulation signal

## WIRING/ADJUSTING POINTS



## DATA OF MICROPROCESSOR

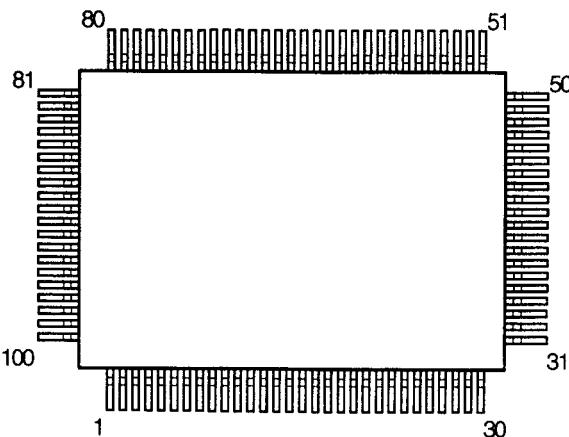
μPD780208GF-026-3BA

Except U.S.A./Canada model

μPD780208GF-028-3BA

U.S.A./Canada model

(IC601)



### ●μPD780208 (IC601) Terminal Function

Pin No.	Port	Symbol	I/O	Det	Res	Ext	Act	INT	MO	Function
1	VDD	VDD	—	—	—	—	—	—	—	Positive power
2	P37	FL_DATA7	I	Lv	Z	Pd	—	L	—	FL display data input (bit 7)
3	P36/BUZ	FL_DATA6	I	Lv	Z	Pd	—	L	—	FL display data input (bit 6)
4	P35/PCL	FL_DATA5	I	Lv	Z	Pd	—	L	—	FL display data input (bit 5)
5	P34/TI2	FL_DATA4	I	Lv	Z	Pd	—	L	—	FL display data input (bit 4)
6	P33/TI1	FL_DATA3	I	Lv	Z	Pd	—	L	—	FL display data input (bit 3)
7	P32/TO2	FL_DATA2	I	Lv	Z	Pd	—	L	—	FL display data input (bit 2)
8	P31/TO1	FL_DATA1	I	Lv	Z	Pd	—	L	—	FL display data input (bit 1)
9	P30/TO0	FL_DATA0	I	Lv	Z	Pd	—	L	—	FL display data input (bit 0)
10	RESET	RESET	—	—	—	—	L	—	—	μcom reset input
11	X2	X2	I	—	—	—	—	—	—	X'tal connection for main clock oscillation
12	X1	X1	—	—	—	—	—	—	—	X'tal connection for main clock oscillation
13	IC	IC	—	—	—	—	—	—	—	Internal connection to Vss
14	XT2	XT2	I	—	—	—	—	—	—	X'tal connection for sub-clock oscillation, not used: NC
15	P04/XT1	P04/XT1	—	—	Z	—	—	—	—	X'tal connection for sub-clock oscillation, not used: Connect to Vss or VDD
16	VDD	VDD	I	—	—	—	—	—	—	Positive power
17	P27/SCK0	DB_CLK	O	—	Z	—	—	H	—	DENON BUS clock output
18	P26/SO0/SB1	DB_TXD	O	—	Z	—	—	H	—	DENON BUS data output
19	P25/SI0/SB0	DB_RXD	I	Ed	Z	—	—	—	—	DENON BUS data input
20	P24/BUSY	RDSRST	O	—	Z	—	L	H	—	RDS IC reset output
21	P23/SIB	DATA_CE	O	—	Z	—	H	L	—	Data bus (for PLL, VOL, RDS IC) chip enable output
22	P22/SCK1	DATA_CLK	O	—	Z	—	—	H	—	Data bus (for PLL, VOL, RDS IC) clock output
23	P21/SO1	DATA_TXD	O	—	Z	—	—	H	—	Data bus (for PLL, VOL, RDS IC) data output
24	P20/SI1	DATA_RXD	I	Ed	Z	—	—	—	—	Data bus (for PLL, VOL, RDS IC) data input
25	AVSS	AVSS	—	—	—	—	—	—	—	A/D converter GND potential
26	P17/AN7	FL_REQ	I	Lv	Z	—	L	—	—	FL display request input
27	P16/AN6	FL_CE	O	—	Z	—	—	H	—	FL display chip enable output
28	P15/AN5	FL_EN	I	Lv	Z	—	—	—	—	FL display data enable input
29	P14/AN4	WAKEUP	I	Lv	Z	—	H	L	—	Power on request signal from CD
30	P13/AN3	SEL_EEROM	O	—	Z	—	H	L	—	EEPROM chip enable output
31	P12/AN2	F_CD	O	—	Z	—	H	—	—	Function CD output
32	P11/AN1	KEY2	I	A	Z	Pu	—	—	—	Unit operation button input 2
33	P10/AN0	KEY1	I	A	Z	Pu	—	—	—	Unit operation button input 1
34	AVDD	AVDD	—	—	—	—	—	—	—	A/D converter analog power
35	AVref	AVREF	I	—	—	—	—	—	—	A/D converter ref. V input
36	P03/INIP3	PROTECT	I	Ed	Z	Pu	L	—	—	SP terminal DC voltage detect signal input
37	P02/INIP2	DB_RXD	I	Ed	Z	—	L	—	—	DENON BUS data input (interrupt input)
38	P01/INIP1	50/60	I	Ed	Z	—	L	—	—	50/60 Hz AC input
39	P00/INIP0/II	REMCON	I	Ed	Z	—	—	—	—	Remo-con. receive data input
40	Vss	VSS	—	—	—	—	—	—	—	GND potential
41	P74	---	O	—	Z	—	—	N	—	Not used
42	P73	---	O	—	Z	—	—	N	—	Not used

Pin No.	Port	Symbol	I/O	Det	Res	Ext	Act	INT	MO	Function
43	P72	EQ1	O	—	Z	Pu	—	—	N	Graph-equ. IC switching signal output
44	P71	EQ2	O	—	Z	Pu	—	—	N	Graph-equ. IC switching signal output
45	P70	TMUTE	O	—	Z	Pu	L	—	N	Tuner mute output, mute on: Lo
46	VDD	VDD	—	—	—	—	—	—	N	Positive power
47	P127/FIP52	ENC_A	I	Lv	Z	Pu	—	—	N	Rotary encoder input
48	P126/FIP51	ENC_B	I	Lv	Z	Pu	—	—	N	Rotary encoder input
49	P125/FIP50	---	O	—	Z	—	—	—	N	Not used
50	P124/FIP49	---	O	—	Z	—	—	—	N	Not used
51	P123/FIP48	---	O	—	Z	—	—	—	N	Not used
52	P122/FIP47	---	O	—	Z	—	—	—	N	Not used
53	P121/FIP46	SD	I	Lv	Z	Pu	L	—	N	FM/AM tuning signal input, tuned: Lo
54	P120/FIP45	ST IND	I	Lv	Z	Pu	L	—	N	FM stereo demodulation detect input, stereo: Lo
55	P117/FIP44	USA	I	Lv	Z	—	—	—	N	Initial setting input
56	P116/FIP43	EUR	I	Lv	Z	—	—	—	N	Initial setting input
57	P115/FIP42	FREQ	I	Lv	Z	—	—	—	N	Initial setting input
58	P114/FIP41	RDS	I	Lv	Z	—	—	—	N	Initial setting input
59	P113/FIP40	---	O	—	Z	—	—	—	N	Not used
60	P112/FIP39	---	O	—	Z	—	—	—	N	Not used
61	P111/FIP38	---	O	—	Z	—	—	—	N	Not used
62	P110/FIP37	---	O	—	Z	—	—	—	N	Not used
63	P107/FIP36	---	O	—	Z	—	—	—	N	Not used
64	P106/FIP35	---	O	—	Z	—	—	—	N	Not used
65	P105/FIP34	---	O	—	Z	—	—	—	N	Not used
66	P104/FIP33	---	O	—	Z	—	—	—	N	Not used
67	P103/FIP32	V. MUTE	O	—	Z	Pd	H	H	N	Volume mute output, mute: Hi
68	P102/FIP31	POWER	O	—	Z	Pd	L	L	N	Amp circuit power on/off output, on: Lo
69	P101/FIP30	AUTO/MONO	O	—	Z	—	—	—	N	FM AUTO/MONO switching, MONO: Hi
70	P100/FIP29	RMUTE	O	—	Z	Pd	L	L	N	Speaker relay on/off output, on:
71	P97/FIP28	---	O	—	Z	—	—	—	N	Not used
72	P96/FIP27	SEG1	O	—	Z	Pd	—	—	N	Segment output 1
73	P95/FIP26	SEG2	O	—	Z	Pd	—	—	N	Segment output 2
74	P94/FIP25	SEG3	O	—	Z	Pd	—	—	N	Segment output 3
75	P93/FIP24	SEG4	O	—	Z	Pd	—	—	N	Segment output 4
76	P92/FIP23	SEG5	O	—	Z	Pd	—	—	N	Segment output 5
77	P91/FIP22	SEG6	O	—	Z	Pd	—	—	N	Segment output 6
78	P90/FIP21	SEG7	O	—	Z	Pd	—	—	N	Segment output 7
79	VLOAD	VLOAD	—	—	—	—	—	—	N	FL driver pull-down resistor connection (-30V)
80	P87/FIP20	SEG8	O	—	Z	Pd	—	—	N	Segment output 8
81	P86/FIP19	SEG9	O	—	Z	Pd	—	—	N	Segment output 9
82	P85/FIP18	SEG10	O	—	Z	Pd	—	—	N	Segment output 10
83	P84/FIP17	SEG11	O	—	Z	Pd	—	—	N	Segment output 11
84	P83/FIP16	SEG12	O	—	Z	Pd	—	—	N	Segment output 12
85	P82/FIP15	SEG13	O	—	Z	Pd	—	—	N	Segment output 13
86	P81/FIP14	SEG14	O	—	Z	Pd	—	—	N	Segment output 14
87	P80/FIP13	SEG15	O	—	Z	Pd	—	—	N	Segment output 15
88	FIP12	SEG16	O	—	Z	Pd	—	—	N	Segment output 16
89	FIP11	DIG12	O	—	Z	Pd	—	—	N	Digit output 12
90	FIP10	DIG11	O	—	Z	Pd	—	—	N	Digit output 11
91	FIP9	DIG10	O	—	Z	Pd	—	—	N	Digit output 10
92	FIP8	DIG9	O	—	Z	Pd	—	—	N	Digit output 9
93	FIP7	DIG8	O	—	Z	Pd	—	—	N	Digit output 8
94	FIP6	DIG7	O	—	Z	Pd	—	—	N	Digit output 7
95	FIP5	DIG6	O	—	Z	Pd	—	—	N	Digit output 6
96	FIP4	DIG5	O	—	Z	Pd	—	—	N	Digit output 5
97	FIP3	DIG4	O	—	Z	Pd	—	—	N	Digit output 4
98	FIP2	DIG3	O	—	Z	Pd	—	—	N	Digit output 3
99	FIP1	DIG2	O	—	Z	Pd	—	—	N	Digit output 2
100	FIP0	DIG1	O	—	Z	Pd	—	—	N	Digit output 1

Det / Lv: Level detect, Ed: Edge detect, A: Analog volt detect

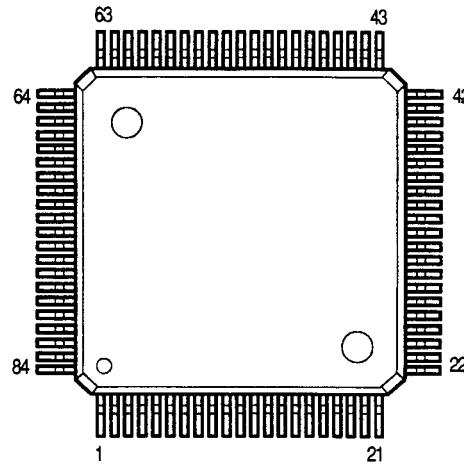
Res / Z: Hi-impedance at reset

Ext / Pd: Pull-down, Pu: Pull-up

Mo / Y: with mask option, N: without mask option

## MN1873223APB

(IC701)



## ● MN1873223 Terminal Function

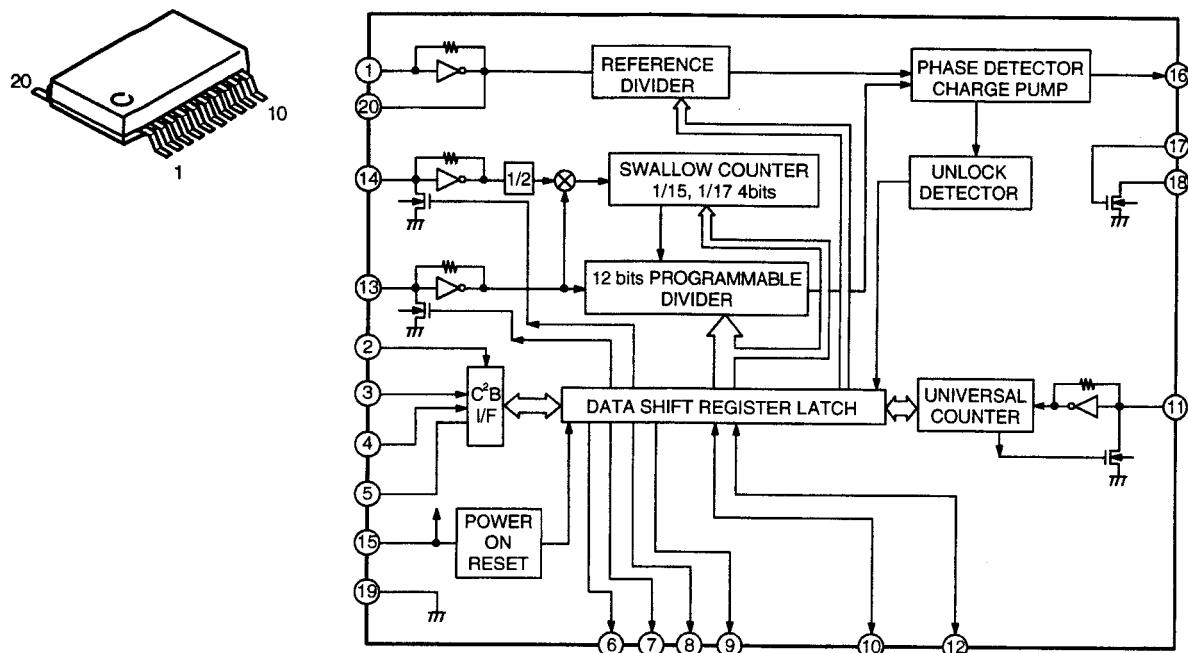
Pin No.	Symbol	Port	I/O	Log	INT	Typ	Function
1	KEY1	P21/ADIN1	I	A/D	Hi-z	—	Not used: Unit A/D key input
2	KEY0	P20/ADIN0	I	A/D	Hi-z	—	Not used: Unit A/D key input
3	VDD	VREFH	I	—	—	—	Ref. V for analog input (LOW)
4	+5V	VDD	—	—	—	—	μcom power voltage
5	8Mhz	OSC2	O	—	—	—	μcom system clock output
6	8Mhz	OSC1	I	—	—	—	μcom system clock input
7	GND	VSS	—	—	—	—	μcom GND
8	GND	XI	I	—	—	—	Not used: μcom sub-clock input
9	---	XO	O	—	—	—	Not used: μcom sub-clock output
10	GND	CM	I	—	—	C	μcom chip mode select input
11	HCK	P93/SBT2	O	Hi-z	—	—	VCD module clock output, CD: Ext. PU
12	HDIO	P92/SBI2	I	Hi-z	C	—	VCD module data input, CD: Ext. UP
13	HDIO	P91/SBO2	O	Hi-z	C	—	VCD module data output
14	HSEL	P90/BUZ	O	Hi-z	—	—	VCD module serial communication select output
15	GND	VPP	—	—	Hi-z	P	VPP: connect to GND
16	NC	P67/SEG15	O	Hi-z	P	—	Not used: Lo output at NC
17	NC	P66/SEG14	O	Hi-z	P	—	Not used: Lo output at NC
18	NC	P65/SEG13	O	Hi-z	P	—	Not used: Lo output at NC
19	NC	P64/SEG12	O	L	P	—	Not used: Lo output at NC
20	NC	P63/SEG11	O	L	P	—	Not used: Lo output at NC
21	NC	P62/SEG10	O	L	P	—	Not used: Lo output at NC
22	ENOUT	P61/SEG9	O	L	P	—	FL display data enable output
23	RQOUT	P60/SEG8	O	L	P	—	FL display request output
24	DATA7	P57/SEG7	O	L	P	—	FL display data output (bit 7)
25	DATA6	P56/SEG6	O	L	P	—	FL display data output (bit 6)
26	DATA5	P55/SEG5	O	L	P	—	FL display data output (bit 5)
27	DATA4	P54/SEG4	O	L	P	—	FL display data output (bit 4)
28	DATA3	P53/SEG3	O	L	P	—	FL display data output (bit 3)
29	DATA2	P52/SEG2	O	L	P	—	FL display data output (bit 2)
30	DATA1	P51/SEG1	O	L	P	—	FL display data output (bit 1)
31	DATA0	P50/SEG0	O	L	P	—	FL display data output (bit 0)
32	NC	P77/DGT0	O	L	P	—	Not used: Lo output at NC
33	POWER	P76/DGT1	O	L	P	—	WAKEUP output for CD, on request: Hi
34	LED3G	P75/DGT2	O	L	P	—	Disc 3 green LED output, light: Hi
35	LED3R	P74/DGT3	O	L	P	—	Disc 3 red LED output, light: Hi
36	LED2G	P73/DGT4	O	L	P	—	Disc 2 green LED output, light: Hi
37	LED2R	P72/DGT5	O	L	P	—	Disc 2 red LED output, light: Hi
38	LED1G	P71/DGT6	O	L	P	—	Disc 1 green LED output, light: Hi
39	LED1R	P70/DGT7	O	L	P	—	Disc 1 red LED output, light: Hi
40	TRAY-	P87/DGT8	O	Hi-z	P	—	Changer mecha. cam motor+ (X2M)/CD mecha. open (X2S)
41	TRAY+	P86/DGT9	O	Hi-z	P	—	Changer mecha. cam motor+ (X2M)/CD mecha. close (X2S)
42	CAM -	P85/DGT10	O	Hi-z	P	—	Changer mecha. cam motor- (X2M)/Not used NC (X2S)

Pin No.	Symbol	Port	I/O	Log	INT	Typ	Function
43	CAM+	P84/DGT11	O	—	Hi-z	P	Changer mecha. cam motor+ (X2M)/Not used NC (X2S)
44	CDPWR	P83/DGT12	O	—	Hi-z	P	CD power control output, power on: Hi
45	DRVMT	P82/DGT13	O	—	Hi-z	P	Driver mute output, mute: Lo
46	DMUTE	P81/DGT14	O	—	Hi-z	P	CD-DSP DMUTE, mute: Hi/Not used NC (X2S)
47	AMUTE	P80/DGT15	O	—	Hi-z	.P	Audio mute output, mute: Hi
48	---	SYNC	O	—	Hi-z	C	Not used: NC
49	TLOCK	P17/PWM2	I	—	Hi-z		CD-DSP TLOCK input (X2M)/Not used ext. DW (X2S)
50	FLOCK	P16/PWM1	I	—	Hi-z		CD-DSP FLOCK input (X2M)/Not used ext. SW (X2S)
51	SENSE	P15/RMOUT	I	—	Hi-z		CD-DSP SENSE input (X2M)/Not used ext. DW (X2S)
52	MCLK	P14/TCO35	O	—	Hi-z	C	CD-DSP serial communication clock output
53	STAT	P13/TCIO4	I	—	Hi-z		CD-DSP serial communication status input
54	MDATA	P12/TCI3	O	—	Hi-z	C	CD-DSP serial communication data output
55	MLD	P11/TCO1	O	—	Hi-z	C	CD-DSP serial communication load output
56	SRST	P10/TCIO0	O	—	Hi-z	C	CD-DSP reset output, reset: Hi
57	RESET	P07/RST	I	—	Hi-z		$\mu$ com reset input, reset: Lo
58	VRST	P06/PSBT0	O	—	Hi-z	C	VCD module reset output, reset: Hi
59	SQCK	P05/SBT1	O	—	Hi-z	C	Sub Q code clock output
60	SUBQ	P04/SBI1	I	—	Hi-z		Sub Q code data input
61	NTSC/PAL	P03/SBO1	I	—	Hi-z		NTSC/PAL switching input, NTSC: Lo
62	BUSCLK	P02/SBT0	I	—	Hi-z		DENON BUS communication clock input
63	BUSI	P01/SBI0	I	—	Hi-z		DENON BUS communication data input
64	BUSO	P00/SBO0	O	—	Hi-z	C	DENON BUS communication data output
65	TRYSW4	P47	I	—	Hi-z		Changer mecha. tray SW4 (X2M)/Not used ext. DW (X2S)
66	TRYSW3	P46	I	—	Hi-z		Changer mecha. tray SW3 (X2M)/Not used ext. DW (X2S)
67	TRYSW2	P45	I	—	Hi-z		Changer mecha. tray SW2 (X2M)/CD mecha. close SW (X2S)
68	TRYSW1	P44	I	—	Hi-z		Changer mecha. tray SW1 (X2M)/CD mecha. open SW (X2S)
69	CANSW4	P43	I	—	Hi-z		Changer mecha. cam SW4 (X2M)/Not used ext. DW (X2S)
70	CANSW3	P42	I	—	Hi-z		Changer mecha. cam SW3 (X2M)/Not used ext. DW (X2S)
71	CANSW2	P41	I	—	Hi-z		Changer mecha. cam SW2 (X2M)/Not used ext. DW (X2S)
72	CANSW1	P40	I	—	Hi-z		Changer mecha. cam SW1 (X2M)/Not used ext. DW (X2S)
73	HRDY	P34/PWM0	I	—	Hi-z		VCD module ready input, CD: Ext. up
74	PWRSW	P33/IRQ3	I	—	Hi-z		Power on SW input, SW push: Lo
75	HINT	P32/IRQ2	I	—	Hi-z		VCD module interrupt input, CD: Ext. up
76	CE	P31/IRQ1	I	—	Hi-z		FL display CE interrupt input
77	BUSINT	P30/IRQ0	I	—	Hi-z		DENON BUS communication interrupt input
78	GND	VREFL	I	—	Hi-z		Ref. V for analog input (LOW)
79	CD/VCD	P27/ADIN7	I	—	Hi-z		CD/VCD switching input, CD: Lo
80	LMTSW	P26/ADIN6	I	—	Hi-z		Pickup inner-most detect input, inner-most: Lo at on
81	F.CD	P25/ADIN5	I	—	Hi-z		CD function input, CD: Hi
82	KEY4	P24/ADIN4	I	A/D	Hi-z		Not used: Unit A/D key input
83	KEY3	P23/ADIN3	I	A/D	Hi-z		Not used: Unit A/D key input
84	KEY2	P22/ADIN2	I	A/D	Hi-z		Not used: Unit A/D key input

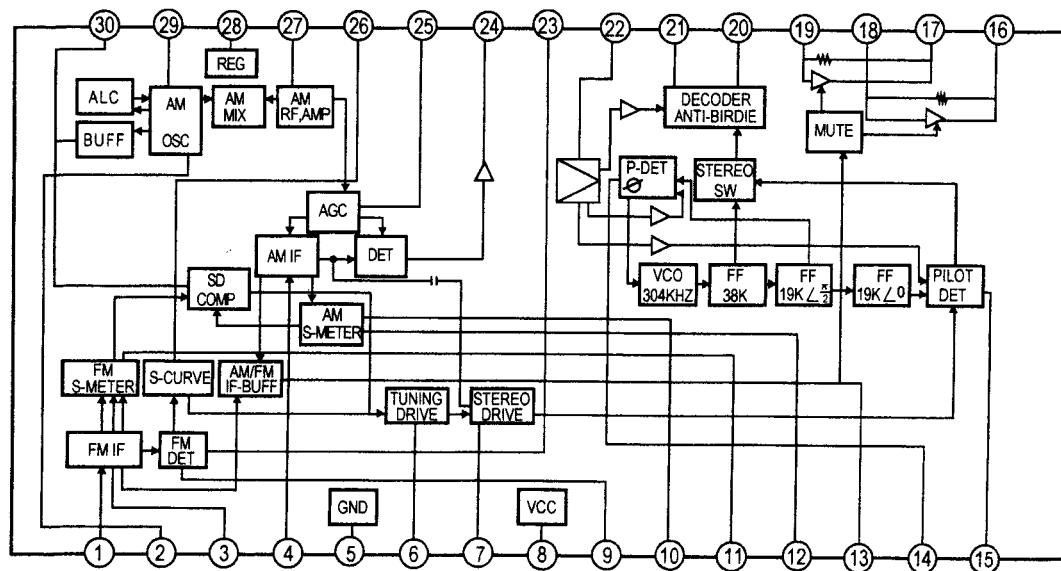
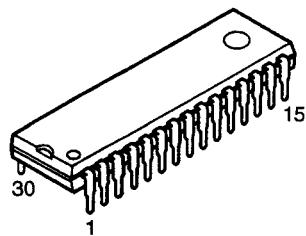
## SEMICONDUCTORS

## ●IC's

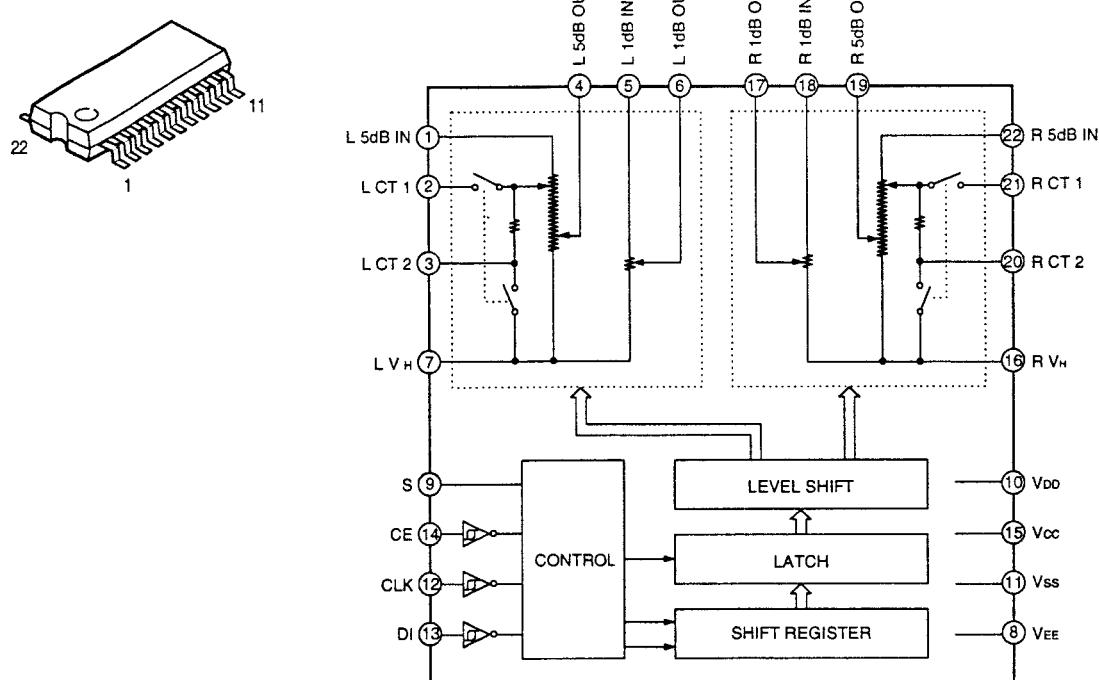
LC72131M (IC101)



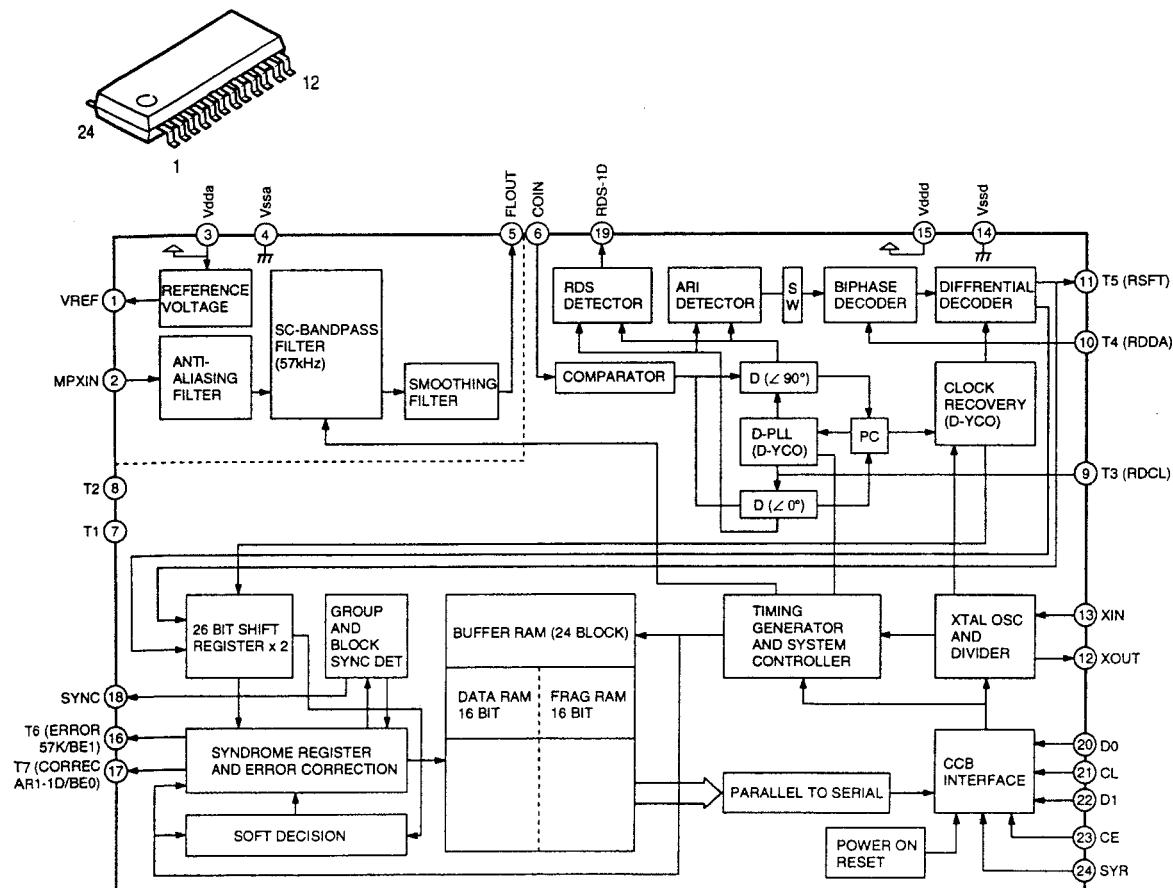
LA1837 (IC201)



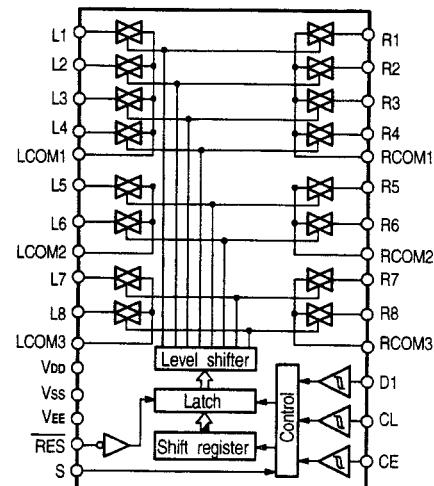
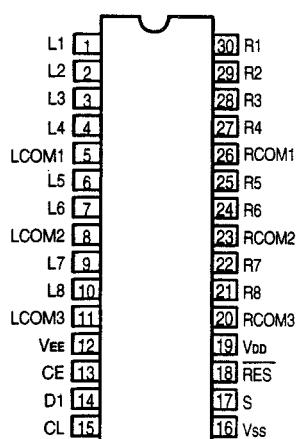
LC7535M (IC401)



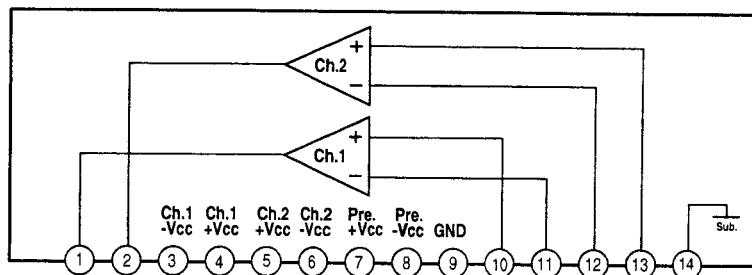
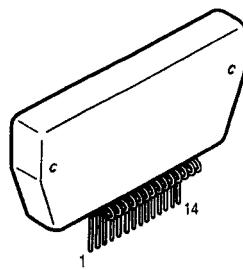
LC72720M (IC251)



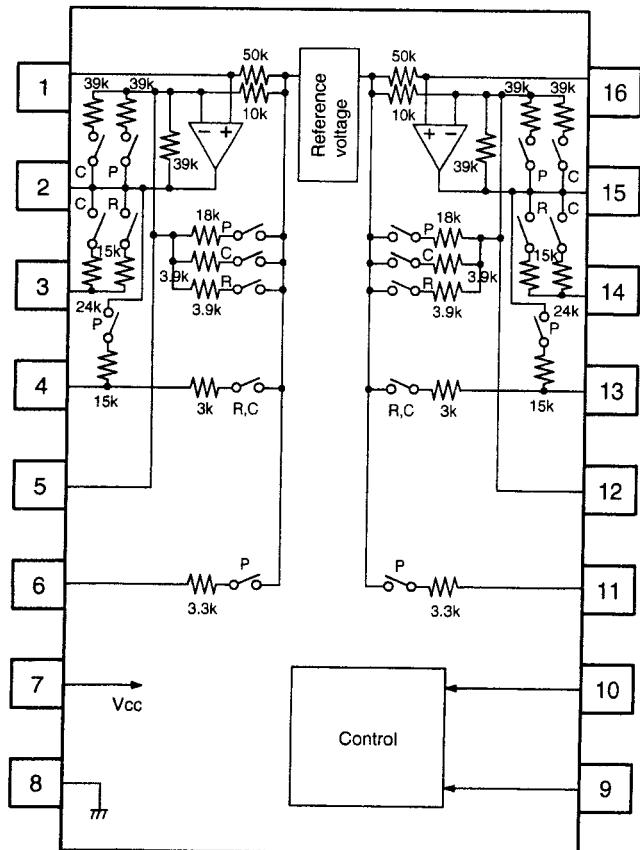
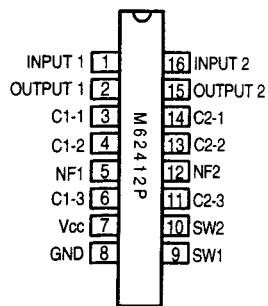
## LC78211 (IC302)



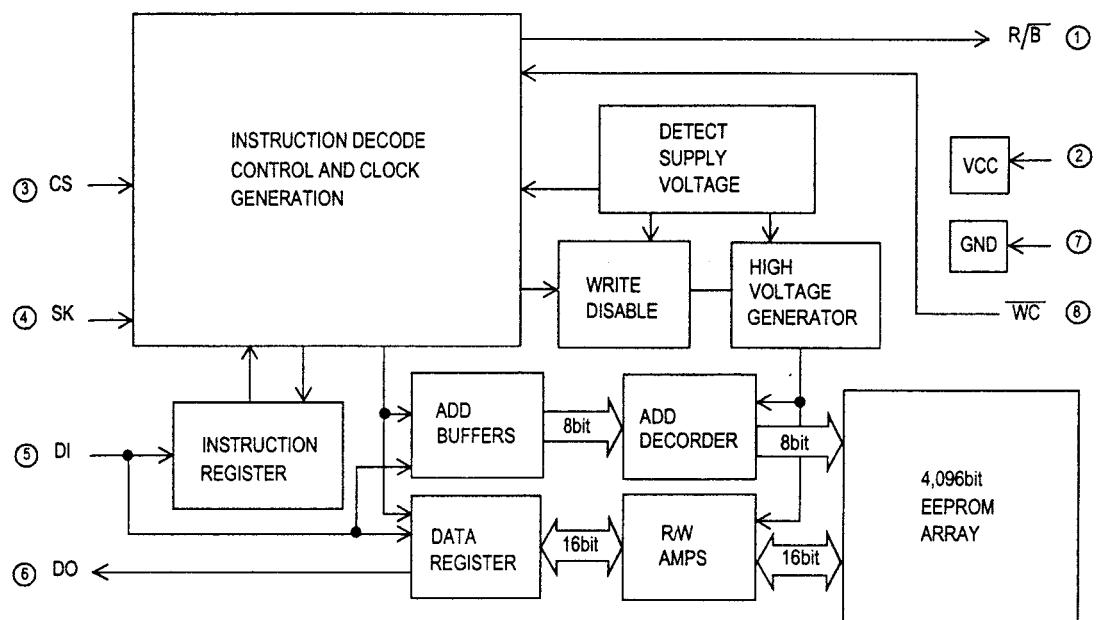
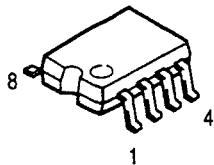
## STK405-050A (IC501)



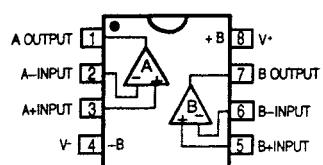
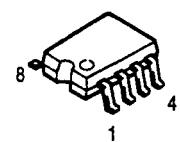
## M62412P (IC405)



## BR9040F (IC602)



BA4558F (IC301, 402, 403, 404)  
BA15218F (IC702)

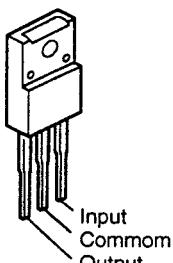


KIA7045P (IC603)

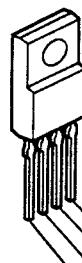


3. OUT  
2. GND  
1. VCC

KIA7806PI (IC001)  
KIA7808PI (IC003)  
KIA7809PI (IC202)

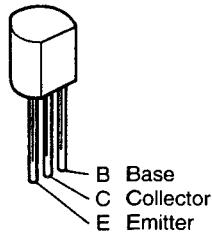
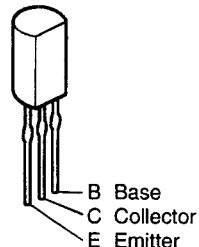


PQ12RAI (IC002)

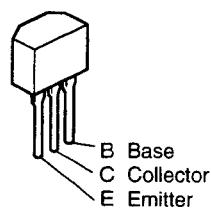


## ● TRANSISTORS

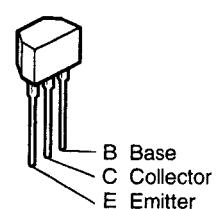
KTC3202

2SB647 (C)  
HIT5610C

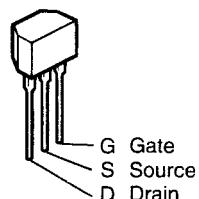
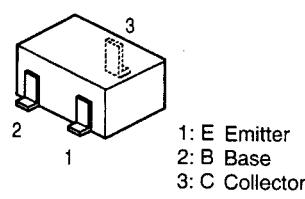
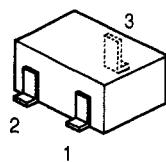
KTA1267



2SC2058S(Q)

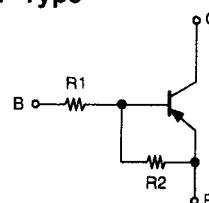


2SK161

2SA1037K (S)  
2SC2412K (S)DTA114EK  
DTC114EK  
DTA144EK  
DTC144EK  
DTC323TK

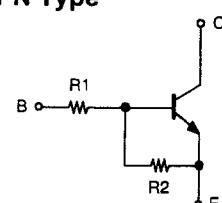
1: GND/Emitter  
2: IN/Base  
3: OUT/Collector

PNP Type



	R1	R1
DTA114EK	10 kohm	10 kohm
DTA144EK	47 kohm	47 kohm

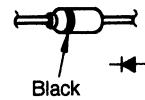
NPN Type



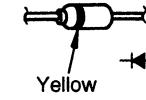
	R1	R1
DTC144EK	47 kohm	47 kohm
DTC323TK	2.2 kohm	—
DTC114EK	10 kohm	10 kohm

● DIODES (including LED)

1N4531



1SS133



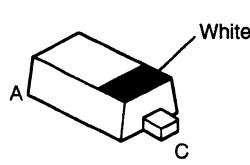
1N4002



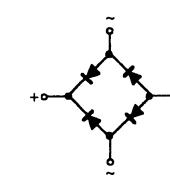
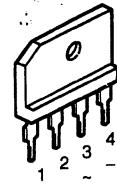
HZ5B-2  
MTZ-J12C  
MTZ-J27A  
MTZ-J5.1C  
MTZ-J6.2A



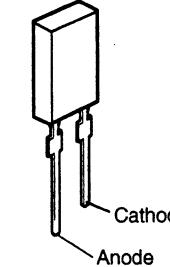
1SS355



D3SBA60

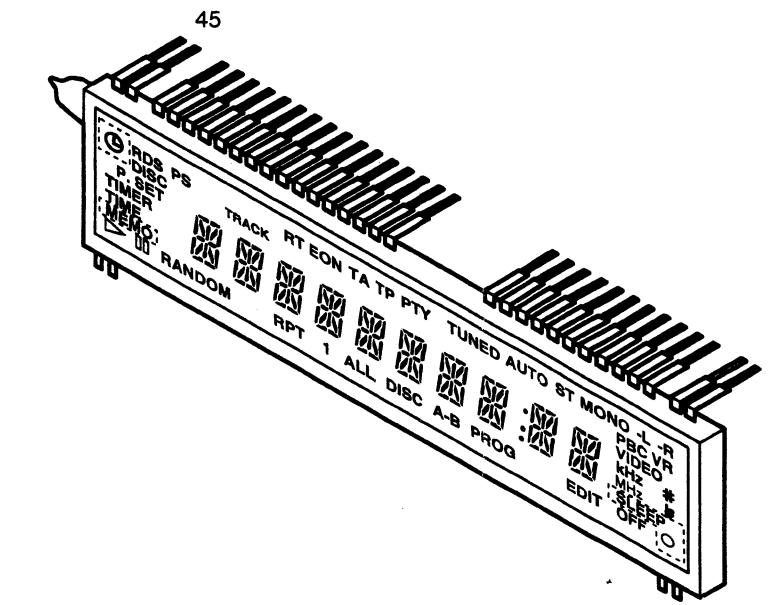


LH5230/P1 (Red)



RDS, PS  
P-SET  
TRACK  
RT EON TA TP PTY  
TUNED AUTO ST MONO X  
RPT 1 ALL DISC A-B PROG  
VIDEO  
MEMO  
RANDOM  
EDIT  
SLEEP  
OFF

● FL DISPLAY 12BT110GK (FL681)



Pin Connection

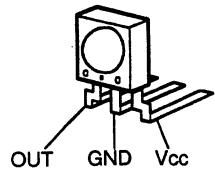
Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Connection	F1	F1	NP	NP	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	NX	NX	NX	

Pin No.	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection	NX	NX	NX	NX	NX	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F2	F2

NOTE  
 1) F1, F2 ..... Filament  
 2) NP ..... No pin  
 3) NX ..... No ext. pin  
 4) DL ..... Datum line  
 5) 1G~12G ..... Grid  
 6) Visual field: upper 39°, lower 17° min.

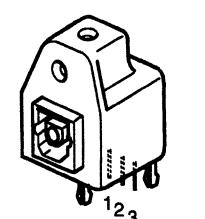
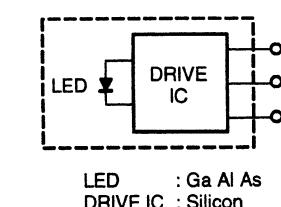
● IR SENSOR

RPM6938-SV4



● OPTICAL OUTPUT

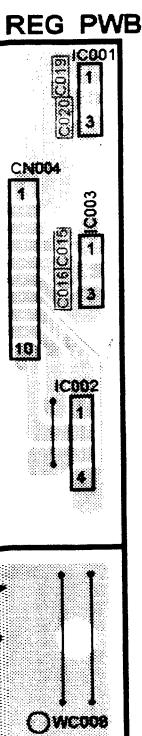
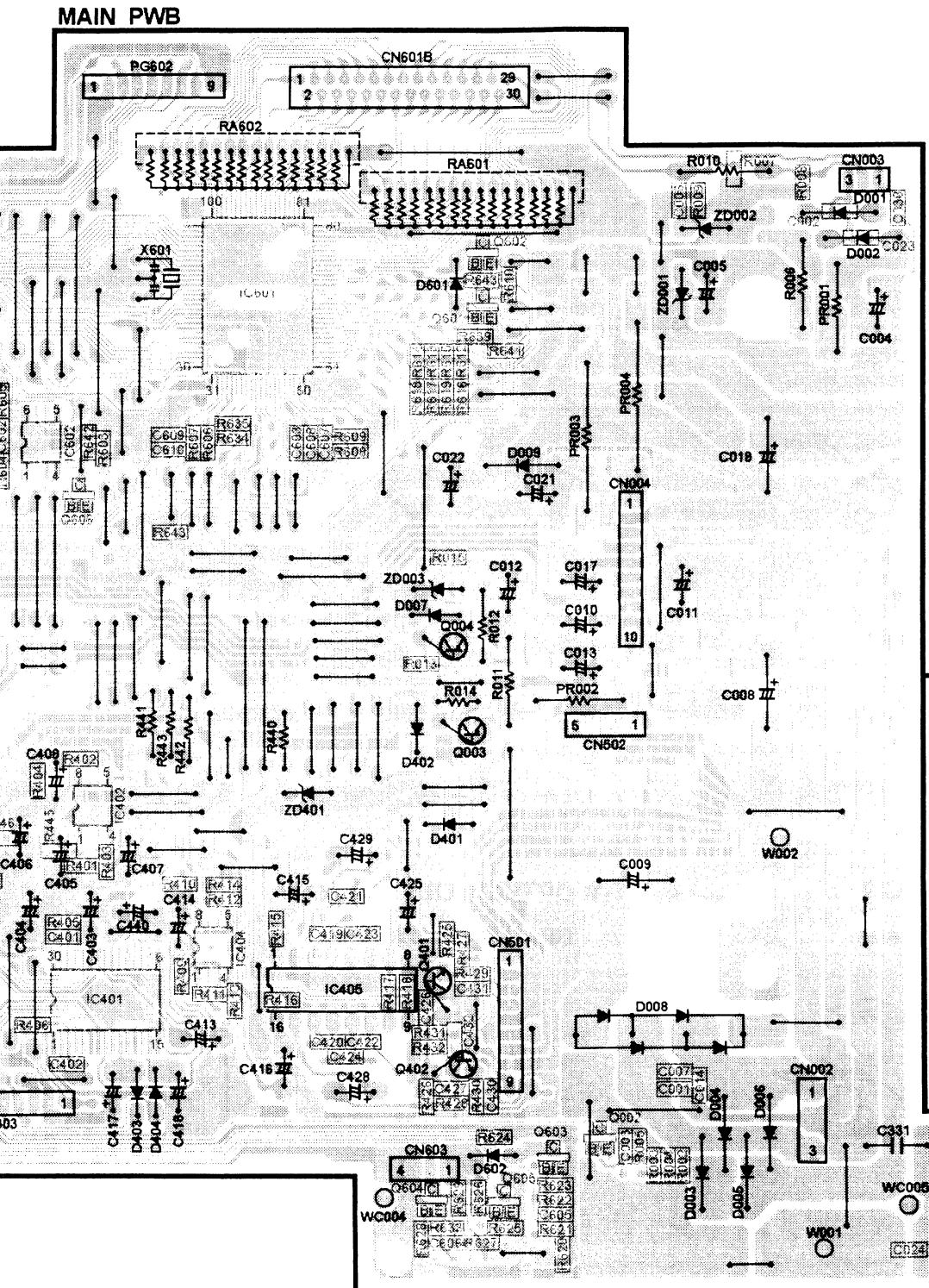
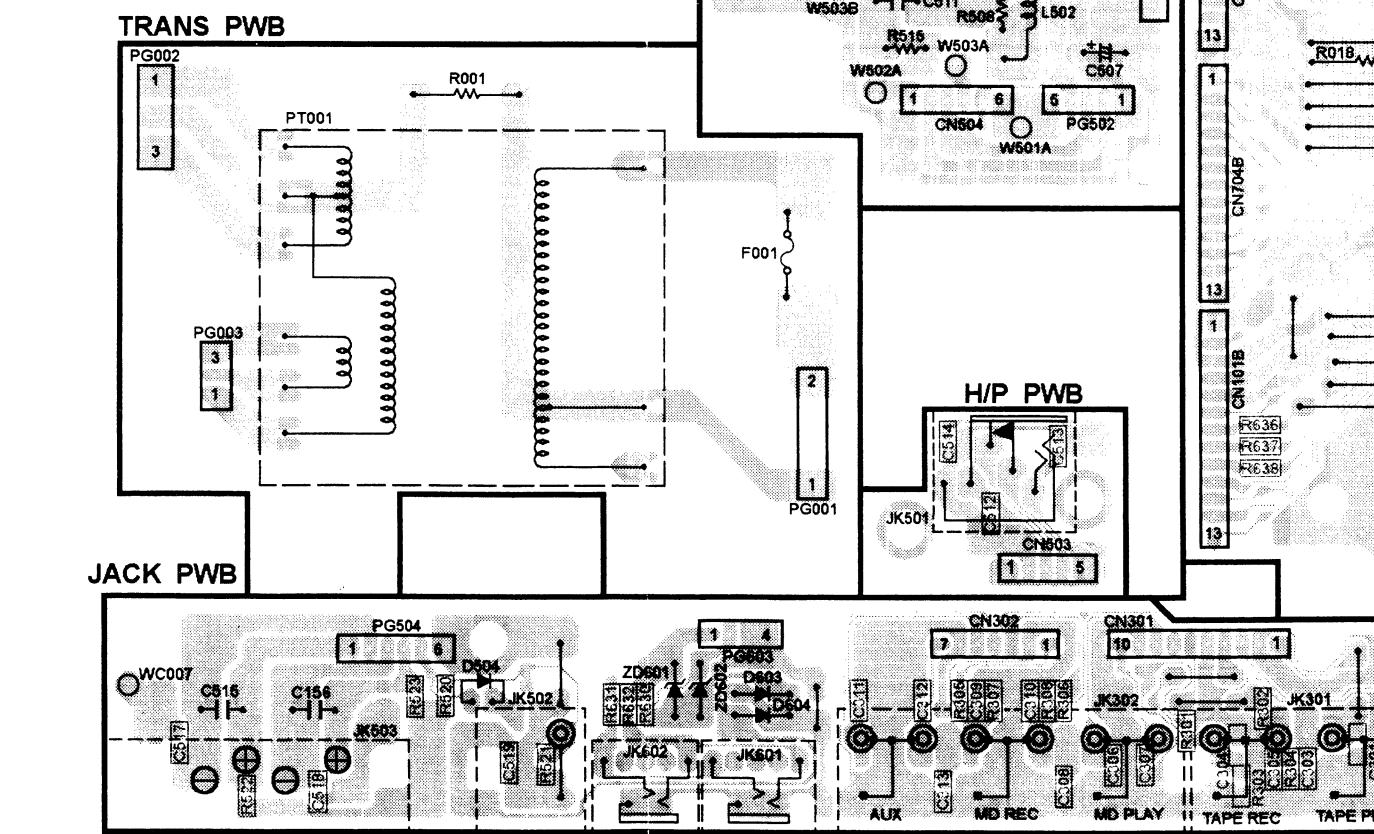
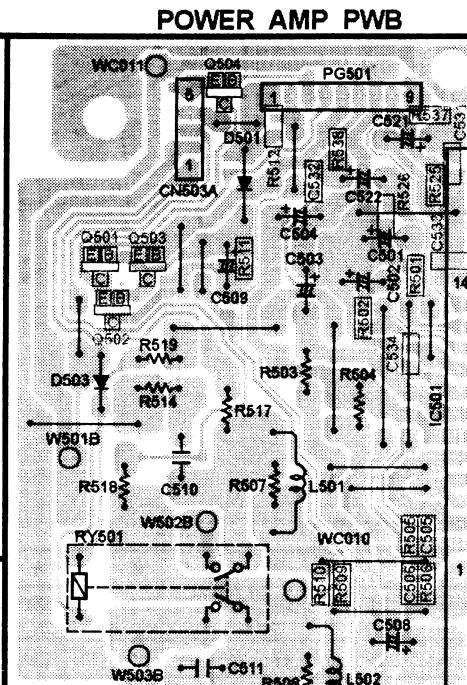
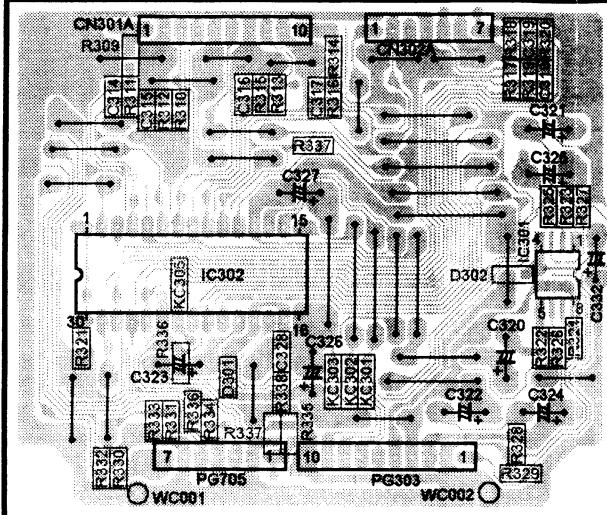
GP1F32T (JK701)

1  
2  
3

## PRINTED WIRING BOARD

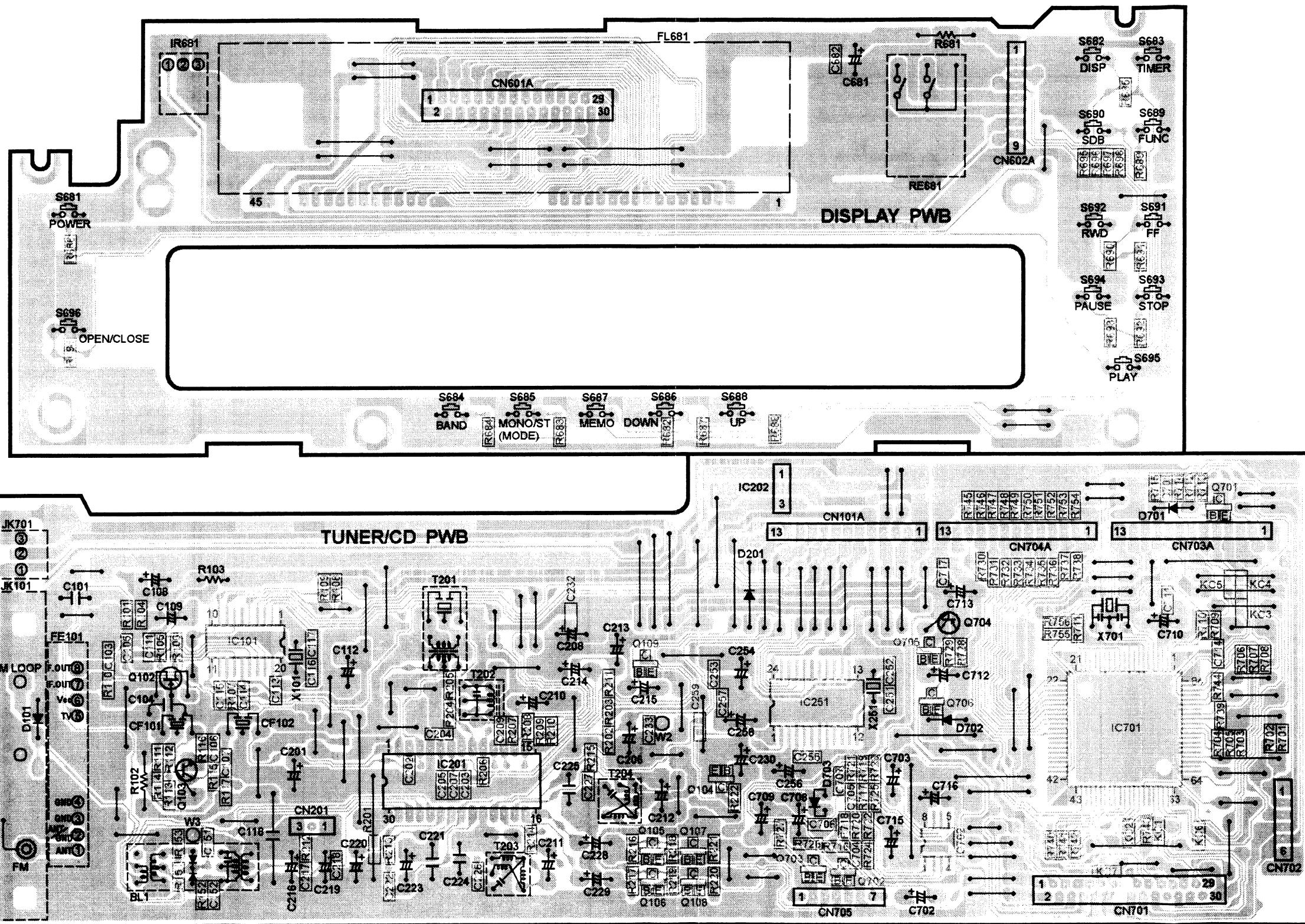
## MAIN / POWER AMP / SELECTOR / TRANS / JACK / H/P / REG

#### **SELECTOR PWB**



1 2 3 4 5 6 7 8

## DISPLAY / TUNER / CD



## NOTE FOR PARTS LIST

1 Part indicated with the mark "○" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

1 When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.

1 Ordering part without stating its part number can not be supplied.

1 Part indicated with the mark "I" is not illustrated in the exploded view.

1 Not including Carbon Film  $\pm 5\%$ , 1/4W Type in the P.W. Board parts list. (Refer to the Schematic Diagram for those parts.)

**WARNING:**  
Parts marked with this symbol  have critical characteristics.  
Use ONLY replacement parts recommended by the manufacturer.

## 1 Resistors

Ex.: RN	14K	2E	182	G	FR
Type	Shape and performance	Power	Resist- ance	Allowable error	Others
RD : Carbon	2B : 1/8W	F : $\pm 1\%$	P : Pulse-resistant type		
RC : Composition	2E : 1/4W	G : $\pm 2\%$	NL : Low noise type		
RS : Metal oxide film	2H : 1/2W	J : $\pm 5\%$	NB : Non-burning type		
RW : Winding	3A : 1W	K : $\pm 10\%$	FR : Fuse-resistor		
RN : Metal film	3D : 2W	M : $\pm 20\%$	F : Lead wire forming		
RK : Metal mixture	3F : 3W				
	3H : 5W				

] Resistance			
 1 8 2 			1800 ohm = 1.8 kohm
Indicates number of zeros after effective number.			2-digit effective number.

• Units: ohm

] Resistance			
 1 R 2 			1.2 ohm
Indicates number of zeros after effective number.			2-digit effective number, decimal point indicated by R.

• Units: ohm

## 1 Capacitors

Ex.: CE	04W	1H	2R2	M	BP	Others
Type	Shape and performance	Dielectric strength	Capacity	Allowable error		
CE : Aluminum foil electrolytic	0J : 6.3V	F : $\pm 1\%$	HS : High stability type			
CA : Aluminum solid electrolytic	1A : 10V	G : $\pm 2\%$	BP : Non-polar type			
CS : Tantalum electrolytic	1C : 16V	J : $\pm 5\%$	HR : Ripple-resistant type			
CQ : Film	1E : 25V	K : $\pm 10\%$	DL : For charge and discharge			
CK : Ceramic	1V : 35V	M : $\pm 20\%$	HF : For assuring high frequency			
CC : Ceramic	1H : 50V	Z : $\pm 80\%$	U : UL part			
CP : Oil	2A : 100V	2 : $-20\%$	C : CSA part			
CM : Mica	2B : 125V	P : $+100\%$	W : UL-CSA type			
CF : Metalized	2C : 160V	3 : $-0\%$	F : Lead wire forming			
CH : Metalized	2D : 200V	C : $\pm 0.25\mu F$				
	2E : 250V	D : $\pm 0.5\mu F$				
	2H : 500V	= : Others				
	2J : 630V					

## ] Capacity (electrolyte only)

2 2 2	$\Rightarrow$ 2200 $\mu F$
Indicates number of zeros after effective number.	2-digit effective number.

• Units:  $\mu F$ .

2 R 2	$\Rightarrow$ 2.2 $\mu F$
1-digit effective number.	2-digit effective number, decimal point indicated by R.

• Units:  $\mu F$ .

## ] Capacity (except electrolyte)

2 2 2	$\Rightarrow$ 2200pF=0.002 $\mu F$
(More than 2)	Indicates number of zeros after effective number.

• Units: pF.

2 2 1	$\Rightarrow$ 220pF
(0 or 1)	Indicates number of zeros after effective number.

• Units: pF.

• When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

## PARTS LIST OF P.W.B. UNIT

## MAIN P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
<b>SEMICONDUCTORS GROUP</b>							
IC301	9L2 3883 01R	IC BA4558F		ZD001	9L2 3482 71M	Zener diode MTZJ27A	
IC302	9L2 3016 92W	IC LC78211		ZD002	9L2 3317 95M	Zener diode HZ5B-2	
IC401	9LC K098 51R	IC LC7535M		ZD003	9L2 3481 93M	Zener diode MTZJ12C	
IC402~404	9L2 3883 01R	IC BA4558F		ZD401	9L2 3481 03M	Zener diode MTZJ5.1C	
IC405	9LC P025 71	IC M62412P		ZD601,602	9L2 3481 21M	Zener diode MTZJ6.2A	
IC501	9LC P045 22	IC STK405-050A					
IC601	9LC K309 63	IC UPD780208GF-026-3BA	Except U.S.A./ Canada model				
IC601	9LC K309 64	IC UPD780208GF-028-3BA	U.S.A./Canada models				
IC602	9LC K076 11R	IC BR9040F					
IC603	9LC P007 12R	IC KIA7045P					
PR001,002	9LF N001 82M	Protector 250mA					
PR003,004	9LA Z001 01M	Protector 500mA					
Q001	9LC A006 61R	Transistor KTA1267(GR)					
Q002	9L2 3256 91R	Transistor 2SC2412K					
Q003	9L2 3286 25T	Transistor 2SB647C					
Q004	9LC A006 61R	Transistor KTA1267(GR)					
Q401,402	9LC F009 91R	Transistor KTC3202(Y)					
Q501	9L2 3256 91R	Transistor 2SC2412K					
Q502	9LC A006 91R	Transistor 2SA1037AK					
Q503	9L2 3256 91R	Transistor 2SC2412K					
Q504,505	9LC A005 81R	Transistor DTC323TK					
Q601	9L2 3166 91R	Transistor DTC144EK					
Q602	9LC A002 92R	Transistor DTA144EK					
Q603	9LC A006 91R	Transistor 2SA1037AK					
Q604,605	9L2 3256 91R	Transistor 2SC2412K					
Q606	9L2 3163 61R	Transistor DTC114EK					
D001~006	9L2 3980 61T	Diode 1N4002					
D007	9L2 3989 21T	Diode 1SS133/1N4531					
D008	9L2 3420 63	Diode D3SBA60					
D009	9L2 3980 61T	Diode 1N4002					
D301,302	9LC C000 03R	Diode 1SS355					
D401~404	9L2 3989 21T	Diode 1N4531					
D501	9L2 3989 21T	Diode 1N4531					
D503	9L2						

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R429,430		Carbon chip 0ohm 1/16W	RMC73M-1F000JR	C010,011		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R431,432		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	C012		Electrolytic 100μF/50V	CE04W1H101MB(SSL)
R440-443		Carbon film 1.2kohm 1/6W	RD14S1J122JB	C013		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R445,446		Carbon chip 33kohm 1/16W	RMC73M1J333JR	C014,015		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R501,502		Carbon chip 2.7kohm 1/16W	RMC73M-1J272JR	C017		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R503,504	9LA T011 71T	Metal film 100ohm 1/4W (FR)	RN45S2E101JB-FR	C018	9LA L010 01	Electrolytic 4700μF/35V	CE68W1V472(SMH)
R505,506		Carbon chip 56kohm 1/16W	RMC73M-1J563JR	C019		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R507,508	9LA T012 17T	Carbon film 10ohm 1/4W (NB)	RD14S2E100JB-T-NB	C021		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R509-511		Carbon chip 22kohm 1/16W	RMC73M-1J223JR	C022		Electrolytic 100μF/10V	CE04W1A101MB(SSL)
R512		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C023		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R514,515	9LA T010 47R	Non-burning type 4.7ohm 1W	RE4R7J000INT	C027		Mylar film 0.1μF/50V	CQ92M1H104KB(AMZ)
R517,518	9LA T010 96R	Non-burning type 330ohm 1W	RE331J000INT	C301,302		Ceramic chip 1000pF/50V	CK73MSL1H102JR
R519	9LA T011 78T	Metal film 82ohm 1/4W (FR)	RN45S2E820JB-FR	C303		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R520		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C304,305		Ceramic chip 470pF/50V	CK73MSL1H471JR
R521		Carbon chip 2.7kohm 1/16W	RMC73M-1F272JR	C306,307		Ceramic chip 1000pF/50V	CK73MSL1H102JR
R522,523		Carbon chip 22kohm 1/16W	RMC73M-1J223JR	C308		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R525,526		Carbon chip 56kohm 1/16W	RMC73M-1J563JR	C309,310		Ceramic chip 470pF/50V	CK73MSL1H471JR
R537,538		Carbon chip 56kohm 1/16W	EMC73M1J563JR	C311,312		Ceramic chip 220pF/50V	CK73MSL1H221JR
R601		Carbon chip 470ohm 1/16W	RMC73M-1J471JR	C313		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
R602-605		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C314-319		Ceramic chip 100pF/50V	CK73MSL1H101JR
R606,607		Carbon chip 1kohm 1/16W	RMC73M-1J102JR	C320,321		Electrolytic 10μF/25V	CE04W1E100M(SRA)
R608-610		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C322		Electrolytic 1μF/50V	CE04W1H010M(SRA)
R612-619		Carbon chip 47kohm 1/16W	RMC73M-1J473JR	C323		Electrolytic 1μF/50V	CE04W1H010M(SRA)
R620,621		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C324-327		Electrolytic 10μF/25V	CE04W1E100M(SRA)
R622,623		Carbon chip 22kohm 1/16W	RMC73M-1J223JR	C328		Ceramic chip 0.022μF/50V	CK73MF223ZR
R624		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C331		Electrolytic 47μF/25V	CE04W1E470MB(SSL)
R625,626		Carbon chip 22kohm 1/16W	RMC73M-1J223JR	C332		Electrolytic 10μF/50V	CE04W1H100MB
R627		Carbon chip 2.2kohm 1/16W	RMC73M-1F222JR	C403,404		Electrolytic 47μF/25V	CE04W1E470MB(SSL)
R628		Carbon chip 22kohm 1/16W	RMC73M-1J223JR	C405,406		Electrolytic 0.15μF/50V	CE04W1HR15MB
R629		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	C407,408		Electrolytic 0.22μF/50V	CE04W1HR22MB
R630		Carbon chip 47kohm 1/16W	RMC73M-1J473JR	C409,410		Electrolytic 1μF/50V	CE04W1H010MB(SSL)
R631		Carbon chip 100ohm 1/16W	RMC73M-1J101JR	C411,412		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R632		Carbon chip 220ohm 1/16W	RMC73M-1J221JR	C413,414		Electrolytic 1μF/50V	CE04W1H010MB(SSL)
R633		Carbon chip 22kohm 1/16W	RMC73M-1F223JR	C415,416		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R634,635		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C417,418		Electrolytic 10μF/25V	CE04W1E100MB
R636,637		Carbon chip 0ohm 1/16W	RMC73M-1J000JR	C419,420		Ceramic chip 0.022μF/50V	CK73SB1H223KT
R638		Carbon chip 470ohm 1/16W	RMC73M-1J471JR	C421,422		Ceramic chip 4700pF/50V	CK73SB1H472KT
R639		Carbon chip 47kohm 1/16W	RMC73M-1F473JR	C423,424		Ceramic chip 0.1μF/25V	CK73SF1E104ZT
R640		Carbon chip 0ohm 1/16W	RMC73M-1J000JR	C425		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R641,642		Carbon chip 4.7kohm 1/16W	RMC73M-1F472JR	C426,427		Ceramic chip 1000pF/50V	CK73MB1H102KR
R643		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	C428,429		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
<b>CAPACITORS GROUP</b>				C440		Electrolytic 1μF/50V	CE04W1H010MB(SSL)
C001,002		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C501,502		Electrolytic 22μF/50V	CE04W1H220MB(SSL)
C003		Ceramic chip 0.047μF/50V	CK73MF1H473ZR	C503,504		Electrolytic 100μF/50V	CE04W1H101MB(SSL)
C004		Electrolytic 100μF/50V	CE04W1H101MB(SSL)	C505,506		Ceramic chip 10 pF/50V	CK73MSL100JR
C005		Electrolytic 10μF/50V	CE04W1H100MB(SSL)	C507,508		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
C006		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C509		Electrolytic 330μF/6.3V	CE04W0J331MB
C008,009	9LA L010 01	Electrolytic 4700μF/35V	CE68W1V472(SMH)	C510,511		Mylar film 0.1μF/50V	CQ92M1H104KB(AMZ)
				C512,513		Ceramic chip 1000pF/50V	CK73MSL1H102JR

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	Q'ty
C514		Ceramic chip 0.1μF/25V	CK73MF1E104R	CN301B	9LE Y000 78	10P pin header(9110)		1
C515,516		Mylar film 0.01μF/50V	CQ92M1H103KB(AMZ)	CN302A	9LE Y000 95	7P socket(9110)		1
C517-519		Ceramic chip 0.01μF/50V	CK73M1H103ZR	CN302B	9LE Y000 75	7P pin header(9110)		1
C521,522		Electrolytic 4.7μF/50V	CE04W1H4R7MB(SSL)	CN303	9LE F069 47	10P KR-DA connector cord	L=200mm	1
C531-534		Ceramic chip 470pF/50V	CC73MSL1H471JR	CN501	9LE F069 29	9P KR-DA connector cord	L=240mm	1
C601		Electrolytic 22μF/50V	CE04W1H220MB(SSL)	CN502	9LE F042 53	5P PH connector cord	L=360mm	1
C602		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	CN503	9LE F077 38	5P SAN-SAN connector cord	L=510mm	1
C603		Ceramic chip 0.1μF/50V	CK73MF1E104ZR	CN504	9L2 9091 77L	6P PH connector cord	L=430mm	1
C605,606		Ceramic chip 1000pF/50V	CK73MB1H102KR	CN601B	9LE D022 61	30P FFC connector (L) <i>Base</i>		1
C631		Ceramic 0.1μF/16V	CK141C104ZB	CN603	9LE F068 32	4P KR-DA connector cord	L=300mm	1
		Except U.S.A./Canada model		CN703B	9LE Y000 82	13P pin header(9110)		1
				CN704B	9LE Y000 82	13P pin header(9110)		1
<b>OTHER PARTS GROUP</b>				WC001-003	—	Style pin		3
JK301	9LE R002 24	4P US pin jack		WC005	—	Style pin		1
JK302	9LE R002 23	6P US pin jack		WC008-010	—	Style pin		3
JK501	9L2 6950 33	Headphone jack		W501	9LE K002 83	1P board in wire (BLK)	L=100mm	1
JK502	9LE R002 41	1P US pin jack		W502	9LE K002 89	1P board in wire (YEL)	L=80mm	1
JK503	9LE U000 86	4P SP terminal		W503	9LE K002 88	1P board in wire (RED)	L=80mm	1
JK601,602	9L2 6714 13	Mini jack (3.5)		W505	—	UL wire (BLK)	UL 1007 #24S	1
L501,502	9L2 2273 61	Audio trap coil		9LJ T082 31	Main P.W.B. Ass'y		U.S.A./Canada models	1
E001,002	9L2 7292 52R	Fuse holder		9LJ T082 32	Main P.W.B. Ass'y		Europe model only	1
E505	—	Lug terminal		9LJ T082 33	Main P.W.B. Ass'y		U.K. model only	1
X601	9L2 1684 81	Crystal CST4.19MGW		9LJ T082 36	Main P.W.B. Ass'y		Asia model only	1
RY501	9LF J001 21	Relay						
PG001	9L2 6742 84	2P-4S VH plug						
PG002	9L2 6688 12W	3P VH pin post						
PG003	9L2 6752 82	3P PH pin post						
PG303	9L2 6752 89	10P PH pin post(L)						
PG501	9L2 9590 58	9P PH pin post						
PG502	9L2 9590 54	5P PH pin post						
PG504	9L2 9590 55	6P PH pin post						
PG602	9L2 6752 88	9P PH pin post(L)						
PG603	9L2 9590 53	4P PH pin post						
PG705	9L2 9590 56	7P PH pin post						
CN002	9LE F059 13	3P VH connector cord	L=180mm					
CN003	9LE F068 16	3P KR-DA connector cord	L=430mm					
CN004	9L2 9097 02	10P SAN-SAN connector cord	L=80mm					
CN101B	9LE Y001 02	13P socket(9110)						
CN301A	9LE Y000 98	10P socket(9110)						

## TUNER/CD/DISPLAY P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
<b>SEMICONDUCTORS GROUP</b>							
IC101	9LC K098 31R	IC LC72131M		R116		Carbon chip 1.8kohm 1/16W	RMC73M-1F182JR
IC201	9LC P045 01	IC LA1837		R117		Carbon chip 1kohm 1/16W	RMC73M-1F102JR
IC202	9LC P024 14	IC KIA7809PI		R151		Carbon chip 3.3kohm 1/16W	RMC73M-1F332JR
IC251	9LC K098 41R	IC LC72720NM	Except Asia model	R152		Carbon chip 100kohm 1/16W	RMC73M-1F104JR
IC701	9LC K309 51	IC MN187323APB		R153		Carbon chip 47kohm 1/16W	RMC73M-1F473JR
IC702	9LC K014 51R	IC BA15218F		R201		Carbon chip 6.8kohm 1/16W	RMC73M-1F682JR
IR681	9LC J002 52U	IR SENSOR(RPM6938-SV4)		R202,203		Carbon chip 10kohm 1/16W	RMC73M-1F103JR
Q101	9LC A002 91R	Transistor DTA114EK		R204		Carbon chip 100ohm 1/16W	RMC73M-1F101JR
Q102	9LC F011 21R	Transistor 2SK161		R205		Carbon chip 4.7kohm 1/16W	RMC73M-1F472JR
Q103	9LC F011 41R	Transistor 2SC2058(S)		R206		Carbon chip 51ohm 1/16W	RMC73M-1F510JR
Q104	9LC A002 91R	Transistor DTA114EK		R207		Carbon chip 4.7kohm 1/16W	RMC73M-1F472JR
Q105-108	9LC A005 81R	Transistor DTC323TK		R208		Carbon chip 10kohm 1/16W	RMC73M-1F103JR
Q109	9L2 3163 61R	Transistor DTC114EK		R209		Carbon chip 3kohm 1/16W	RMC73M-1F302JR
Q701	9LC A006 91R	Transistor 2SA1037AK		R210,211		Carbon chip 4.7kohm 1/16W	RMC73M-1F472JR
Q702,703	9LC A005 81R	Transistor DTC323TK		R212	9L0 7900 51R	Carbon chip 10kohm 1/16W	RMC73M-1F103JR
Q704	9L2 3191 52	Transistor HIT5610C		R212	9L0 7900 48R	Carbon chip 6.8kohm 1/16W	Except U.S.A./Canada model
Q705	9LC A006 91R	Transistor 2SA1037AK		R213		Carbon chip 8.2kohm 1/16W	RMC73M-1F822JR
Q706	9L2 3163 61R	Transistor DTC114EK		R214,215		Carbon chip 3.3kohm 1/16W	RMC73M-1F332JR
D101	9L2 3989 21T	Diode 1N4531T/ISS133		R216,217		Carbon chip 1kohm 1/16W	RMC73M-1F102JR
D201	9L2 3989 21T	Diode 1N4531T/ISS133		R218,219		Carbon chip 470ohm 1/16W	RMC73M-1F471JR
D701,702	9L2 3989 21T	Diode 1N4531T/ISS133		R220,221		Carbon chip 1kohm 1/16W	RMC73M-1F102JR
D703	9LC H019 71	LED LH5230/PI		R222		Carbon chip 5.6kohm 1/16W	RMC73M-1F562JR
FL681	9LD D000 62	FL TUBE(12-BT-110GK)		R681		Carbon film 47ohm 1/4W	RD14S2E470JB
JK701	269 0098 006	IC GP1F32T		R682		Carbon chip 150ohm 1/16W	RMC73M-1F151JR
<b>RESISTORS GROUP</b>							
R101		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	R683		Carbon chip 180ohm 1/16W	RMC73M-1F181JR
R102		Carbon film 120ohm 1/6W	RD14S1J121JB	R684		Carbon chip 270ohm 1/16W	RMC73M-1F271JR
R103		Carbon film 100ohm 1/4W	RDF25S 101J	R685		Carbon chip 390ohm 1/16W	RMC73M-1F391JR
R104		Carbon chip 5.6kohm 1/16W	RMC73M-1F562JR	R686		Carbon chip 680ohm 1/16W	RMC73M-1F681JR
R105		Carbon chip 2.2kohm 1/16W	RMC73M-1F222JR	R687		Carbon chip 150ohm 1/16W	RMC73M-1F151JR
R106		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	R688		Carbon chip 180ohm 1/16W	RMC73M-1F181JR
R107		Carbon chip 220ohm 1/16W	RMC73M-1F221JR	R689		Carbon chip 270ohm 1/16W	RMC73M-1F271JR
R108,109		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	R690		Carbon chip 5.6kohm 1/16W	RMC73M-1F562JR
R110		Carbon chip 390ohm 1/16W	RMC73M-1F391JR	R691		Carbon chip 8.2kohm 1/16W	RMC73M-1F822JR
R111,112		Carbon chip 330ohm 1/16W	RMC73M-1F331JR	R692		Carbon chip 15kohm 1/16W	RMC73M-1F153JR
R113		Carbon chip 220ohm 1/16W	RMC73M-1F221JR	R693		Carbon chip 33kohm 1/16W	RMC73M-1F333JR
R114		Carbon chip 2.7kohm 1/16W	RMC73M-1F272JR	R694		Carbon chip 82kohm 1/16W	RMC73M-1F823JR
R115		Carbon chip 330ohm 1/16W	RMC73M-1F331JR	R695		Carbon chip 1.5kohm 1/16W	RMC73M-1F152JR
				R696		Carbon chip 2.2kohm 1/16W	RMC73M-1F222JR
				R697		Carbon chip 2.7kohm 1/16W	RMC73M-1F272JR
				R698		Carbon chip 3.9kohm 1/16W	RMC73M-1F392JR
				R701-709		Carbon chip 10kohm 1/16W	RMC73M-1F103JR
				R710		Carbon chip 15kohm 1/16W	RMC73M-1F153JR
				R711,712		Carbon chip 10kohm 1/16W	RMC73M-1F103JR
				R713,714		Carbon chip 22kohm 1/16W	RMC73M-1F223JR
				R715		Carbon chip 47kohm 1/16W	RMC73M-1F473JR
				R716,717		Carbon chip 220kohm 1/16W	RMC73M-1F224JR

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R718,719		Carbon chip 8.2kohm 1/16W	RMC73M-1F822JR	C219		Electrolytic 3.3μF/50V	CE04W1H3R3MB(SSL)
R720,721		Carbon chip 12kohm 1/16W	RMC73M-1F123JR	C220		Electrolytic 22μF/50V	CE04W1H220MB(SSL)
R722,723		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	C221		Ceramic 820pF/50V	CK14B1H821KB(050)
R724,725		Carbon chip 24kohm 1/16W	RMC73M-1F243JR	C221		Ceramic 330pF/50V	CK14B1H331KB(050)
R726,727		Carbon chip 220ohm 1/16W	RMC73M-1F221JR	C222		Ceramic chip 0.047μF/50V	Except Asia model
R728		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C223		CK73MF1H473ZR	
R729		Carbon chip 2.2kohm 1/16W	RMC73M-1F222JR	C224,225		Electrolytic 10μF/50V	CE04W1H100MB(SSL)
R730-743		Carbon chip 1kohm 1/16W	RMC73M-1F102JR	C224,225		Mylar film 0.047μF/50V	CQ92M1H473KB(AMZ)
R744		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C224,225		Mylar film 0.033μF/50V	U.S.A./Canada models
R745-754		Carbon chip 100kohm 1/16W	RMC73M-1F104JR	C226,227		Ceramic chip 2700pF/50V	CQ92M1H333KB(AMZ)
R755,756		Carbon chip 10kohm 1/16W	RMC73M-1F103JR	C228,229		Electrolytic 2.2μF/50V	Except U.S.A./Canada model
RE681		Rotary encoder	EC16B24104	C230		Electrolytic 10μF/16V	CK73MB1H272BR
<b>CAPACITORS GROUP</b>				C232		Ceramic chip 0.01μF/50V	Europe/U.K. models
C101		Mylar film 0.01μF/50V	CQ92M1H103KB(AMZ)	C233		CK73MSL1H220JR	CE04W1H2R2MB(SSL)
C103		Ceramic chip 22pF/50V	CC73MSL1H220JR	C251,252		Ceramic chip 220pF/50V	CE04W1C100MB(SRA)
C104		Ceramic 0.047μF/25V	CK14F1H473ZB(050)	C252		Ceramic chip 22pF/50V	CK73MCH1H220JR
C105		Ceramic chip 100pF/50V	CK73MSL1H101JR	C253		Ceramic chip 0.01μF/50V	Except Asia model
C106		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C254		CK73MF1H103ZR	CK73MF1H103ZR
C107		Ceramic chip 0.022μF/50V	CK73MF1H223ZR	C254		Electrolytic 47μF/6.3V	Except Asia model
C108		Electrolytic 47μF/25V	CE04W1E470MB(SSL)	C255		Ceramic chip 560pF/50V	CE04W0J470MB(SRA)
C109		Electrolytic 0.47μF/50V (BP)	CE04W1H0R47BP (SMEBP)	C256		Electrolytic 47μF/6.3V	Except Asia model
C111		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C257		Ceramic chip 0.01μF/50V	CK73MSL1H561JR
C112		Electrolytic 1μF/50V	CE04W1H1R0MB (SSL)	C258		CK73MF1H103ZR	Except Asia model
C113		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C258		Electrolytic 10μF/16V	CE04W0J470MB(SRA)
C114,115		Ceramic chip 100pF/50V	CK73MSL1H101JR	C259		Ceramic chip 330pF/50V	Except Asia model
C116,117		Ceramic chip 27pF/50V	CC73MCH1H270JR	C259		CE04W1C100MB(SRA)	CE04W1C100MB(SRA)
C118		Ceramic 0.01μF/16V	CK14Y1C103MB	C681		Electrolytic 47μF/6.3V	Except Asia model
C151		Ceramic chip 0.1μF/16V	CK73MF1C104BR	C682		Ceramic chip 0.01μF/50V	CE04W0J470MB(SRA)
C152		Ceramic chip 9.0 pF/50V	CK73MCH1H090CR	C701		CK73MF1H103ZR	CK73MF1H103ZR
C201		Electrolytic 47μF/25V	CE04W1E470MB(SSL)	C702,703		Ceramic chip 1000pF/50V	CK73MF1H102ZR
C202-204		Ceramic chip 0.047μF/50V	CK73MF1H473ZR	C704-707		Electrolytic 1μF/50V	CE04W1H1R0MB(SRA)
C205		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C708,709		Ceramic chip 390pF/50V	CC73MSL1H391JR
C206		Electrolytic 1μF/50V	CE04W1H1R0MB(SRA)	C710		Electrolytic 4.7μF/50V	CE04W1H4R7MB(SRA)
C207		Ceramic chip 0.01μF/50V	CK73MF1H103ZR	C711		Electrolytic 100μF/6.3V	CE04W0J101MB(SRA)
C208		Electrolytic 10μF/50V	CE04W1H100MB(SSL)	C712,713		Ceramic chip 0.01μF/50V	CK73MF1H103ZR
C209		Ceramic chip 0.047μF/50V	CK73MF1H473ZR	C714		Electrolytic 10μF/16V	CE04W1C100MB(SRA)
C210		Electrolytic 1μF/50V	CE04W1H1R0MB(SSL)	C715,716		Ceramic chip 1000pF/50V	CK73MF1H102ZR
C211		Electrolytic 10μF/50V	CE04W1H100MB(SSL)	C717		Electrolytic 10μF/16V	CE04W1C100MB(SRA)
C212		Electrolytic 10μF/16V	CE04W1C100MB(SRA)			Ceramic chip 0.01μF/50V	CK73MF1H103ZR
C213		Electrolytic 1μF/50V	CE04W1H1R0MB(SSL)				
C214		Electrolytic 0.47μF/50V	CE04W1HR47MB(SSL)				
C215		Electrolytic 1μF/50V	CE04W1H1R0MB(SRA)				
C216		Electrolytic 33μF/31.5V	CE04W1F330MB(SSL)				
C217,218		Ceramic chip 0.047μF/50V	CK73MF1H473ZR				

**PARTS LIST OF P.W.B. UNIT**  
**CD SERVO P.W.B. UNIT ASS'Y**

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks
<b>OTHER PARTS GROUP</b>								
<b>SEMICONDUCTORS GROUP</b>								
BL001	9LB H005 32	AM RF block		1	IC701	*	*	Refer to the conversion list
#001	9LN J027 71	FL holder		1	IC702	*	*	Refer to the conversion list
#004	9LM D040 51	Shield plate (TU)	U.S.A./Canada/ Asia models	1	IC703	*	*	Refer to the conversion list
JK101	9LE U000 11	Antenna terminal KYD31		1	Q701	928 0023 206	Transistor 2SB709STX	
CF101	9L2 1349 92	Ceramic filter SFE10.7MA8	U.S.A./Canada/ Asia models	1	Q702	*	*	Refer to the conversion list
CF101	9LB N001 01	Ceramic filter SFT10.7MS2	Europe/U.K. models	1	<b>RESISTORS GROUP</b>			
CF102	9LB N001 11	Ceramic filter SFE10.7MS2G	U.S.A./Canada/ Asia models	1	R701		Carbon Chip 4.7ohm 1/10W	ERJ6GEYJ4R7V
CF102	9LB N001 01	Ceramic filter SFT10.7MS2	Europe/U.K. models	1	R703		Carbon chip 82kohm 1/10W	ERJ6GEYJ823V
CN101A	9LE Y000 82	13P pin header		1	R704		Carbon chip 1kohm 1/10W	ERJ6GEYJ102A
CN201	9L2 6742 62	3P MX pin post		1	R705		Carbon chip 10kohm 1/10W	ERJ6GEYJ103V
CN601A	9LE D022 61	30P FFC connector base (L)		1	R706		Carbon chip 1kohm 1/10W	ERJ6GEYJ102A
CN602A	9LE F069 22	9P KR-DA connector cord	L=100mm	1	R707		Carbon chip 470kohm 1/10W	ERJ6GEYJ474V
CN701	9LE D017 52	30P FFC connector base		1	R708		Carbon chip 150kohm 1/10W	ERJ6GEYJ154V
CN702	9LE F068 61	6P KR-DA connector cord	L=80mm	1	R709		Carbon chip 68kohm 1/10W	ERJ6GEYJ683V
CN703A	9LE Y000 82	13P pin header		1	R711		Carbon chip 150kohm 1/10W	ERJ6GEYJ154V
CN704A	9LE Y000 82	13P pin header		1	R712		Carbon chip 220ohm 1/10W	ERJ6GEYJ221V
CN705	9LE F066 85	7P KR-DA connector cord	L=160mm	1	R714		Carbon chip 120ohm 1/10W	ERJ6GEYJ121V
E001	—	Lug terminal		1	R717,718		Carbon chip 1kohm 1/10W	ERJ6GEYJ102A
FE101	9LH H000 42	Tuner pack FE450-G01	Europe/U.K. models	1	R719		Carbon chip 0ohm 1/8W	ERJ8GEY0R00A
FE101	9LH H000 41	Tuner pack FE350-A01	U.S.A./Canada/ Asia models	1	R720		Carbon chip 0ohm 1/10W	ERJ6GEY0R00A
S681~696	9LF E003 01R	Tact switch		16	R721		Carbon chip 100ohm 1/10W	ERJ6GEYJ101V
T201	9LB J002 52	AM IFT (LA1873)		1	R722		Carbon chip 56kohm 1/10W	ERJ6GEYJ563V
T202	9LB J004 22	FM DISCRI coil		1	R723		Carbon chip 1.8kohm 1/10W	ERJ6GEYJ182V
T203,204	9LB J004 11	LPF (19KHz)	Europe/U.K. models	1	R724		Carbon chip 33kohm 1/10W	ERJ6GEYJ333V
X101	9L2 1701 32	Crystal 7.2MHz		1	R725		Carbon chip 4.7kohm 1/10W	ERJ6GEYJ472V
X251	9L2 1701 33	Crystal 4.332MHz	Except Asia model	1	R726		Carbon chip 47kohm 1/10W	ERJ6GEYJ473V
X701	9LB P001 41	Ceramic resonator	CST8.00MTW	1	R727		Carbon chip 8.2kohm 1/10W	ERJ6GEYJ822V
KC001~007	—	Carbon chip 0ohm 1/16W	RMC73-M1F00R	7	R728		Carbon chip 10kohm 1/10W	ERJ6GEYJ103V
W005	—	UL wire(BLK)	UL1007 #14S	1	R731		Carbon chip 8.2kohm 1/10W	ERJ6GEYJ822V
W008	—	UL wire(BLK)	UL1007 #14S	1	R735,736		Carbon chip 100ohm 1/10W	ERJ6GEYJ101V
9LJ T082 21	Tuner/CD/Display P.W.B. Ass'y		U.S.A./Canada models	1	R744		Carbon chip 10kohm 1/10W	ERJ6GEYJ103V
9LJ T082 22	Tuner/CD/Display P.W.B. Ass'y	Europe model only		1	R745		Carbon chip 1.5Mohm 1/10W	ERJ6GEYJ155V
9LJ T082 23	Tuner/CD/Display P.W.B. Ass'y	U.K. model only		1	R748		Carbon chip 1.8kohm 1/10W	ERJ6GEYJ182V
9LJ T082 26	Tuner/CD/Display P.W.B. Ass'y	Asia model only		1	R749		Carbon chip 6.8kohm 1/10W	ERJ6GEYJ682V
					R750,751		Carbon chip 47kohm 1/10W	ERJ6GEYJ473V
					R752		Carbon chip 22ohm 1/8W	ERJ8GEYJ220V
					R770,771		Carbon chip 1.5Mohm 1/10W	ERJ6GEYJ155V
					R772		Carbon chip 27kohm 1/10W	ERJ6GEYJ273V
					RJ701~710		Carbon chip 0ohm 1/8W	ERJ8GEY0R00A
					RJ711		Carbon chip 0ohm 1/10W	ERJ6GEY0R00A
					RJ713		Carbon chip 0ohm 1/10W	ERJ6GEY0R00A
					RJ714~717		Carbon chip 0ohm 1/8W	ERJ8GEY0R00A
					RJ721~731		Carbon chip 0ohm 1/10W	ERJ6GEY0R00A

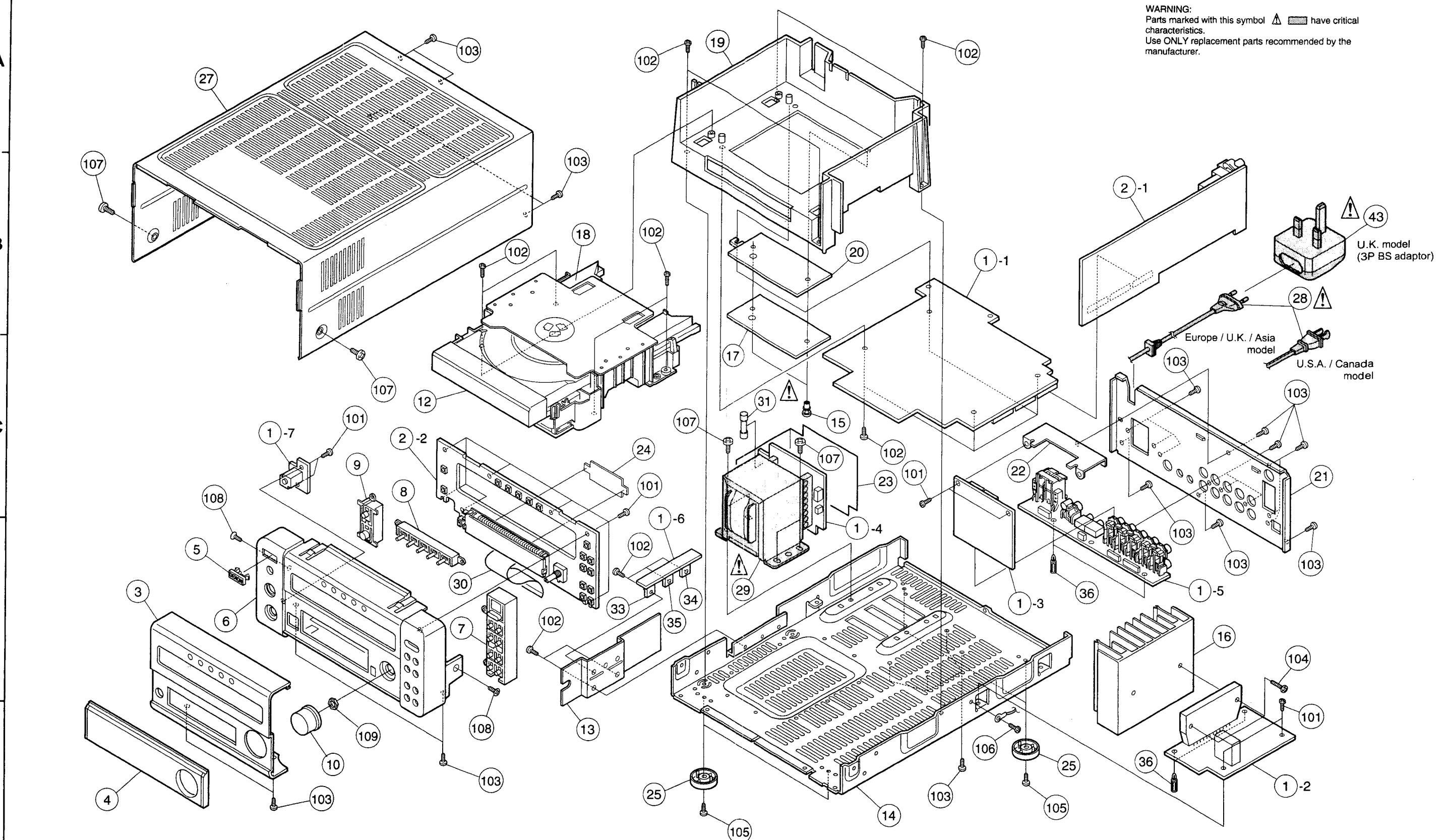
**CD SERVO P.W.B. UNIT ASS'Y**  
**Conversion List**

Ref. No.	Part No.	Part Name	Remarks	Model	RD-DRL004-M RD-DRL004-C RD-DRL008-M	RD-DRL005-M
<b>SERVO UNIT ASS'Y</b>						
IC701	AN8835SBE1	—	928 0084 601	928 0086 007		
IC702	MN662741RPA	—	928 0084 708	928 0084 708		
IC703	AN8389SE1	—	928 0084 805	928 0086 104		
Q702	—	—	—	—	DTC114YKA146	928 0086 308
S701	RSM0006-P	—	928 0055 300	928 0086 201		
<b>OTHER PARTS GROUP</b>				<b>Q'ty</b>		
C701	Capacitor 33μF/6.3V		ECEA0JKA3301			
C702	Capacitor 0.1μF/25V		ECUZNE104MBN			
C703	Capacitor 100μF/6.3V		ECEA0JKA1011			
C704,705	Capacitor 0.1μF/25V		ECUZNE104MBN			
C706	Capacitor 2700pF/50V		ECUV1H272KBN			
C707	Capacitor 0.027μF/25V		ECUV1E273KBN			
C708	Capacitor 4700pF/50V		ECUE1H472KBN			
C709	Capacitor 0.047μF/16V		ECUE1C473KBN			
C710	Capacitor 1800pF/50V		ECUV1H182KBN			
C711,712	Capacitor 0.1μF/25V		ECUMNE104ZFN			
C713	Capacitor 0.1μF/16V		ECUV1C104MBM			
C714	Capacitor 100μF/6.3V		ECEA0JKA1011			
C716	Capacitor 560pF/50V		ECUE1H561KBN			
C717	Capacitor 0.1μF/25V		ECUMNE104ZFN			
C718	Capacitor 0.22μF/16V		ECUVNC224KBN			
C721,722	Capacitor 10pF/50V		ECUV1H100DCN			
C723	Capacitor 220μF/10V		ECEA1AKA2211			
C724	Capacitor 0.1μF/16V		ECUV1C104MBM			
C725,726	Capacitor 1000pF/50V		ECUE1H102KBN			
C730	Capacitor 0.1μF/25V		ECUMNE104ZFN			
C731,732	Capacitor 220μF/6.3V		ECEA0JKA2211			
C733	Capacitor 0.1μF/25V		ECUZNE104MBN			
C734	Capacitor 220μF/10V		ECEA1AKA2211			
C735~737	Capacitor 0.1μF/25V		ECUMNE104ZFN			
C738	Capacitor 0.15μF/16V		ECUV1C154KBN			
C742	Capacitor 0.027μF/25V		ECUV1E273KBN			
C743	Capacitor 0.1μF/25V		ECUMNE104ZFN			
C744	Capacitor 8200pF/25V		ECUE1E822KBN			
C745	Capacitor 1000pF/50V		ECUE1H102KBN			
C747	Capacitor 2200pF/50V		ECUE1H222KBN			
C748	Capacitor 470pF/50V		ECUV1H471KBN			
C749	Capacitor 0.1μF/25V		ECUZNE104MBN			
C750	Capacitor 0.1μF/16V		ECUV1C104MBM			
C751	Capacitor 0.1μF/25V		ECUZNE104MBN			
C752	Capacitor 1500pF/50V		ECUE1H152KBN			
C753	Capacitor 470pF/50V		ECUV1H471KBN			
<b>OTHER PARTS GROUP</b>						

## **EXPLODED VIEW**

1                    2                    3                    4                    5                    6                    7                    8

**WARNING:**  
Parts marked with this symbol   have critical characteristics.  
Use ONLY replacement parts recommended by the manufacturer.



## PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty	
1	Note	Main P.W.B. Ass'y		1	★ 41	9L9 5634 44	Excel tube L=90	Except U.S.A./ Canada model	1	
1-1		Main unit		(1)	★ 42	9L3 9737 31	Bar lok tie	Except U.S.A./ Canada model	2	
1-2		Power amp unit		(1)	43	9LE P000 62	3P BS adaptor	U.K. model only	1	
1-3		Selector unit		(1)	★ 44	—	Origin label (E2/EK)	Europe/U.K. models		
1-4		Trans unit		(1)	★ 45	—	Fuse caution label	U.S.A./Canada models	1	
1-5		Jack unit		(1)	★ 46	—	Number sheet		1	
1-6		REG unit		(1)	★ 47	—	Caution label	U.S.A./Canada models	1	
1-7		H/P unit		(1)	★ 48	—	Origin label	Asia model only	1	
2	Note	Tuner/CD/Display P.W.B. Ass'y		1	★ 49	—	Manufactured label	U.S.A./Canada models	1	
2-1		Tuner/CD unit		(1)	★ 50	—	Class label	Except U.S.A./ Canada model	1	
2-2		Display unit		(1)	<b>SCREWS &amp; NUTS</b>					
3	Note	Front panel AL		1	101	9L8 6914 10	Screw 3x10 BT BIND		12	
4	9LP H056 31	Clear panel		1	102	9L8 6914 08	Screw 3x8 BT BIND		17	
5	9LP U003 31	DENON badge		1	103	9L8 6994 10	Screw 3x10 BT BIND B		25	
6	9LP H056 41	Front panel		1	104	9L8 6914 14	Screw 3x14 BT BIND		2	
7	Note	Button (play)		1	105	9L8 6994 08	Screw 3x8 BT BIND		4	
8	Note	Button (tuner)		1	106	9L8 6714 04	Screw 3x4 DT BIND		2	
9	Note	Button (power)		1	107	9L8 6796 06	Screw 4x6 DT BIND B		6	
10	Note	Volume knob Ass'y		1	108	9L8 6014 08	Screw 3x8 DT FLAT HEAD		2	
★ 11	9L4 8583 36	Spacer (8mm x 60mm)	Except Asia model	1	109	9LM K002 46	NUT M9x0.75		1	
12	Note	Loader panel		1	<b>PACKING &amp; ACCESSORIES (Not included EXPLODED VIEW.)</b>					
13	9LM B003 71	Heat sink (P)		1	201	Note	Carton box		1	
14	9LN Q060 11	Chassis		1	202	9LS P052 01	Cushion		2	
15	9LM L003 42	Push rivet		1	203	9L3 6275 65	Pory sack	for AC cord	1	
16	9LM B003 31	Heat sink		1	204	Note	Pory sack	for accessories	1	
17	9LM N016 81	Holder sheet		1	205	9L2 7593 41	AM loop antenna		1	
18	9LU C005 02	CD mecha.		1	206	9LE F021 33	FM antenna connector		1	
19	9LN J027 81	Mecha. holder		1	207	9LH L009 03	Remote control unit	RC-846	1	
20	9LM D043 41	Holder plate		1	208	Note	Instruction manual		1	
21	Note	Rear plate		1	209	—	Origin label	Asia model only	1	
22	9LN A282 41	P.W.B. support		1	210	—	UPC label	U.S.A./Canada models	1	
23	9LM E015 11	Shield sheet (TRANS)		1	211	—	EAN label(E2)	Europe model only	1	
24	9LM E015 21	Shield sheet (DISPLAY)		1	212	—	EAN label(EK)	U.K. model only	1	
25	9LQ J003 91	Foot		4	213	—	Warranty card	U.S.A./Canada models	1	
★ 26	9LM S002 11	Felt		4						
27	9LQ A011 01	Top cover		1						
▲ 28	Note	AC cord		1						
▲ 29	Note	Power trans.		1						
30	9LE K009 71	30P FFC cable (L=100)	CN701	1						
▲ 31	Note	Fuse	F001	1						
★ 32	9LE J006 11	Excel tube L=110		1						
33	9LC P024 12	IC KIA7806	IC001	1						
34	9L2 0046 03	IC PQ12RA1	IC002	1						
35	9LC P024 13	IC KIA7808	IC003	1						
36	9LM L002 51	Mini P.W.B. post		4						
★ 37	9L8 6914 10	Screw 3x10 BT BIND		Except U.S.A./ Canada model	1					
★ 38	9L0 8900 43M	Ceramic 0.01 F/16V	CK14Y1C103MB	1						
★ 39	9L9 4511 40	UL tube L=25mm #12		Except U.S.A./ Canada model	1					
★ 40	—	Lug terminal		Except U.S.A./ Canada model	1					

**ADDENDUM PARTS LIST**  
**PARTS LIST OF EXPLODED VIEW**

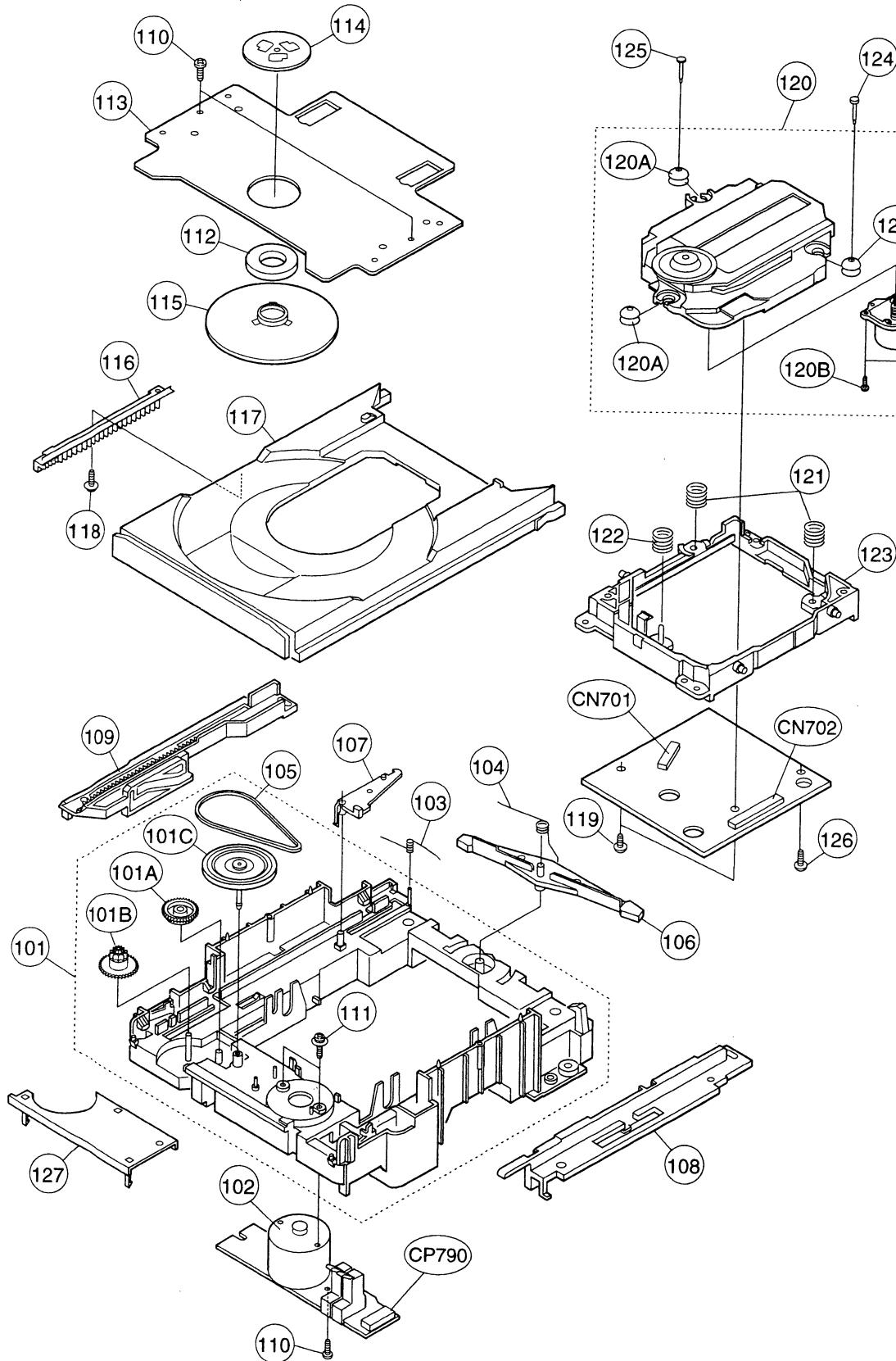
Ref. No.	Part Name	Part No.	Part No.	Part No.	Part No.
		U.S.A/Canada	Europe	U.K.	Asia
1	Main P.W.B. Ass'y	9LJ T082 31	9LJ T082 32	9LJ T082 33	9LJ T082 36
2	Tuner/CD/Display P.W.B. Ass'y	9LJ T082 21	9LJ T082 22	9LJ T082 23	9LJ T082 26
3	Front panel AL	9LP M062 94	9LP M062 94	9LP M062 94	9LP M062 92
7	Button (play)	9LP C028 41	9LP C028 41	9LP C028 41	9LP C028 42
8	Button (tuner)	9LP C028 51	9LP C028 51	9LP C028 51	9LP C028 52
9	Button (power)	9LP C022 41	9LP C022 41	9LP C022 41	9LP C022 42
10	Volume knob Ass'y	9LP A000 21	9LP A000 21	9LP A000 21	9LP A000 22
12	Loader panel	9LP H056 51	9LP H056 51	9LP H056 51	9LP H056 52
21	Rear plate	9LQ A010 94	9LQ A010 91	9LQ A010 91	9LQ A010 93
△ 28	AC cord	9LE V007 01	9LE V007 03	9LE V007 03	9LE V007 03
△ 29	Power trans.	9LB T010 83	9LB T010 81	9LB T010 81	9LB T010 81
△ 31	Fuse T500mA (F001)	—	9L2 7277 24	9L2 7277 24	9L2 7277 24
△ 31	Fuse 1.25A 125V (F001)	9L2 7224 12	—	—	—

**PACKING AND ACCESSORIES**

201	Carton box	9LS G078 31	9LS G078 32	9LS G078 32	9LS G078 33
204	Poly sack	9L3 6402 14W	9L3 6402 14W	9L3 6402 13W	9L3 6402 14W
208	Instruction manual	9LQ R257 11	9LQ R257 12	9LQ R257 12	9LQ R257 14

## EXPLODED VIEW OF CD MECHANISM UNIT

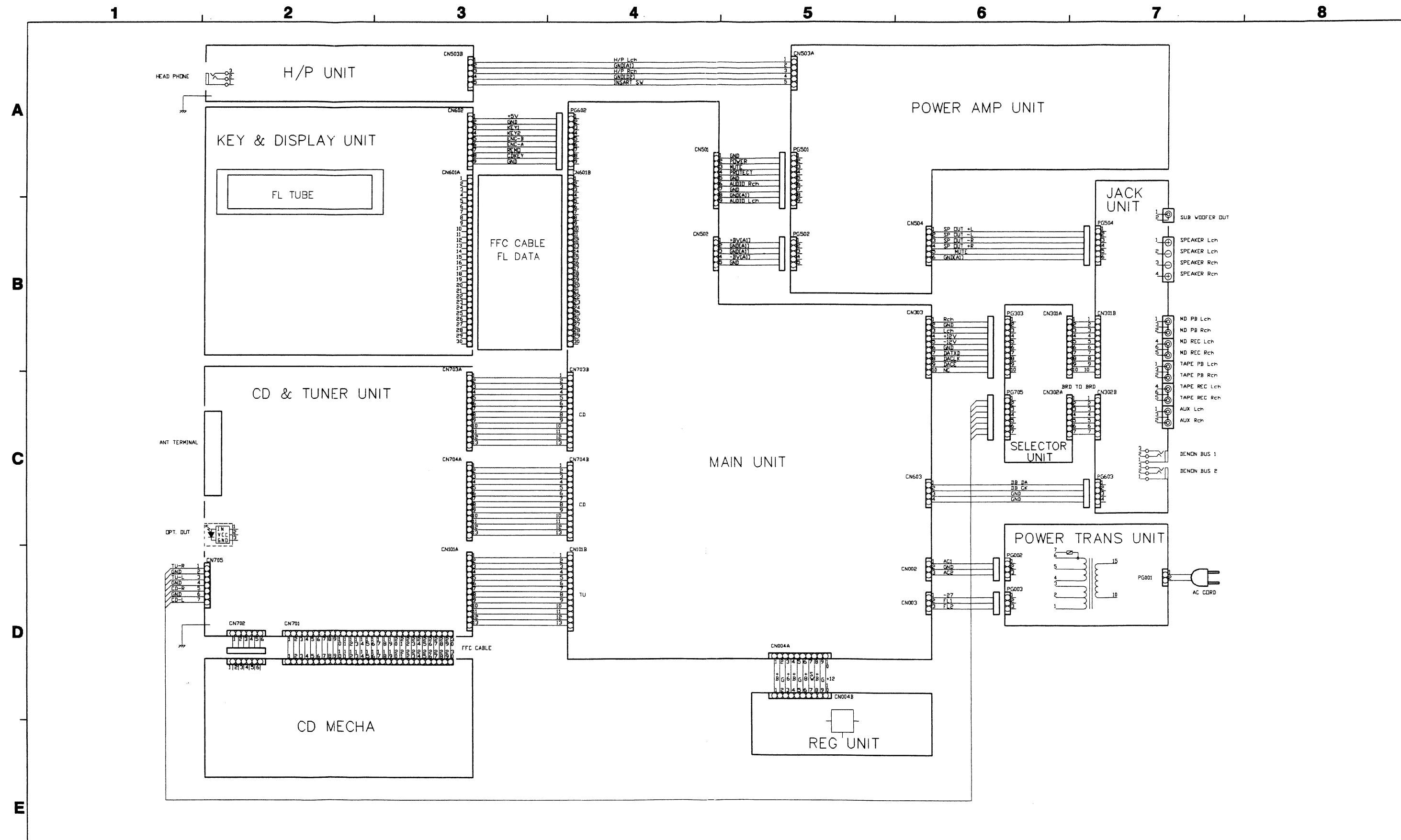
4 3 2 1



## PARTS LIST OF CD MECHANISM UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
101	928 0082 001	Loading mecha. chassis Assy	RFKJXDT07-K	1
101A	928 0084 300	Intermediate gear	RDG0142	1
101B	928 0084 313	Drive gear (A)	RDG0193	1
101C	928 0084 326	Intermediate pulley	RDP0065	1
102	928 0082 108	Loading motor Ass'y	REM0019	1
103	928 0082 205	Lock lever spring	RME0063	1
104	928 0082 302	Assist spring	RME0087	1
105	928 0082 409	Belt	RMG0158	1
106	928 0082 506	Conversion lever	RML0349	1
107	928 0082 603	Lock lever	RML0178-1	1
108	928 0082 700	Slide plate (2)	RMM0059-1	1
109	928 0082 807	Slide plate (1)	RMM0079-1	1
110	928 0082 904	Screw	XTN26+6G	3
111	928 0083 000	Screw	XYN2+F6FZ	2
112	928 0083 107	Magnet	RHM245ZA	1
113	928 0086 706	Clamp plate Ass'y	RFKNLCH530EA	1
114	928 0083 301	Fixed plate	RMR0334	1
115	928 0083 408	Magnet holder Ass'y	RXQ0380	1
116	928 0083 505	Drive gear (B) Ass'y	RFKNLPG440-K	1
117	928 0083 602	Disk tray	RQQ0144-K	1
118	928 0083 709	Screw	RHD20009-1	1
119	928 0050 499	Screw	XTV2+6G	2
120	928 0083 806	Traverse deck Assy	RAE0152Z	1
120A	928 0049 808	Floating rubber	SHGD113-1	3
120B	934 0002 905	Screw	SNSD38	2
121	928 0083 903	Floating spring (1)	RME0109	2
122	928 0083 916	Floating spring (2)	RME0142	1
123	928 0084 009	Traverse chassis	RMR0698-K	1
124	928 0084 106	Traverse fixed pin (1)	RMS0123-1	1
125	928 0084 119	Traverse fixed pin (2)	RMS0350	1
126	928 0083 013	Screw	XTN2+6G	1
127	928 0084 203	Belt cover	RMK0255	1
CN701	928 0054 039	Socket (16P)	RJU035T016-1	1
CN702	928 0085 008	Connector (30P)	RJSA4230	1
CP790	928 0086 609	Connector (16P)	RJP6G17ZA	1

## WIRING DIAGRAM



## SC SCHEMATIC DIAGRAMS (1/2)

1

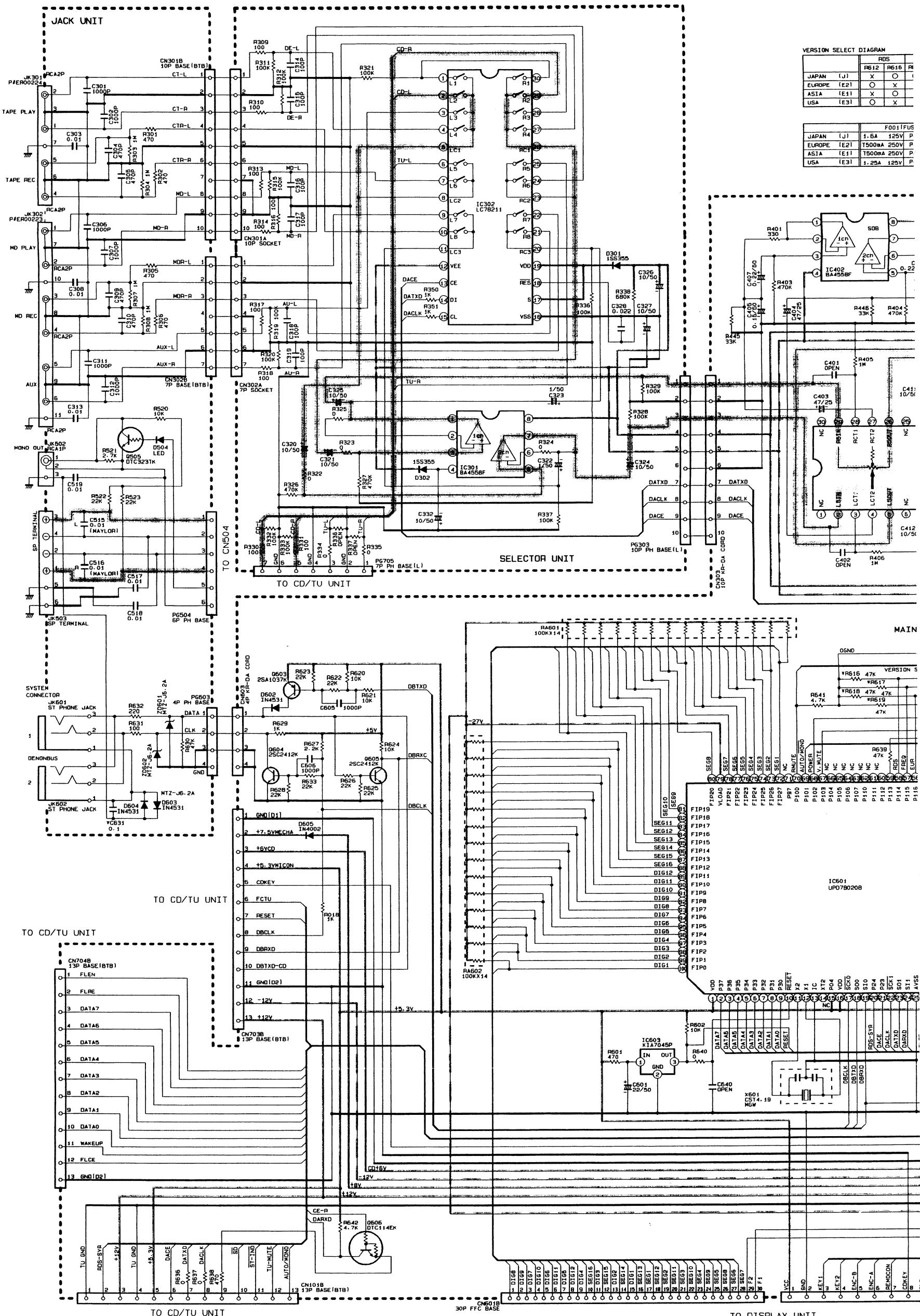
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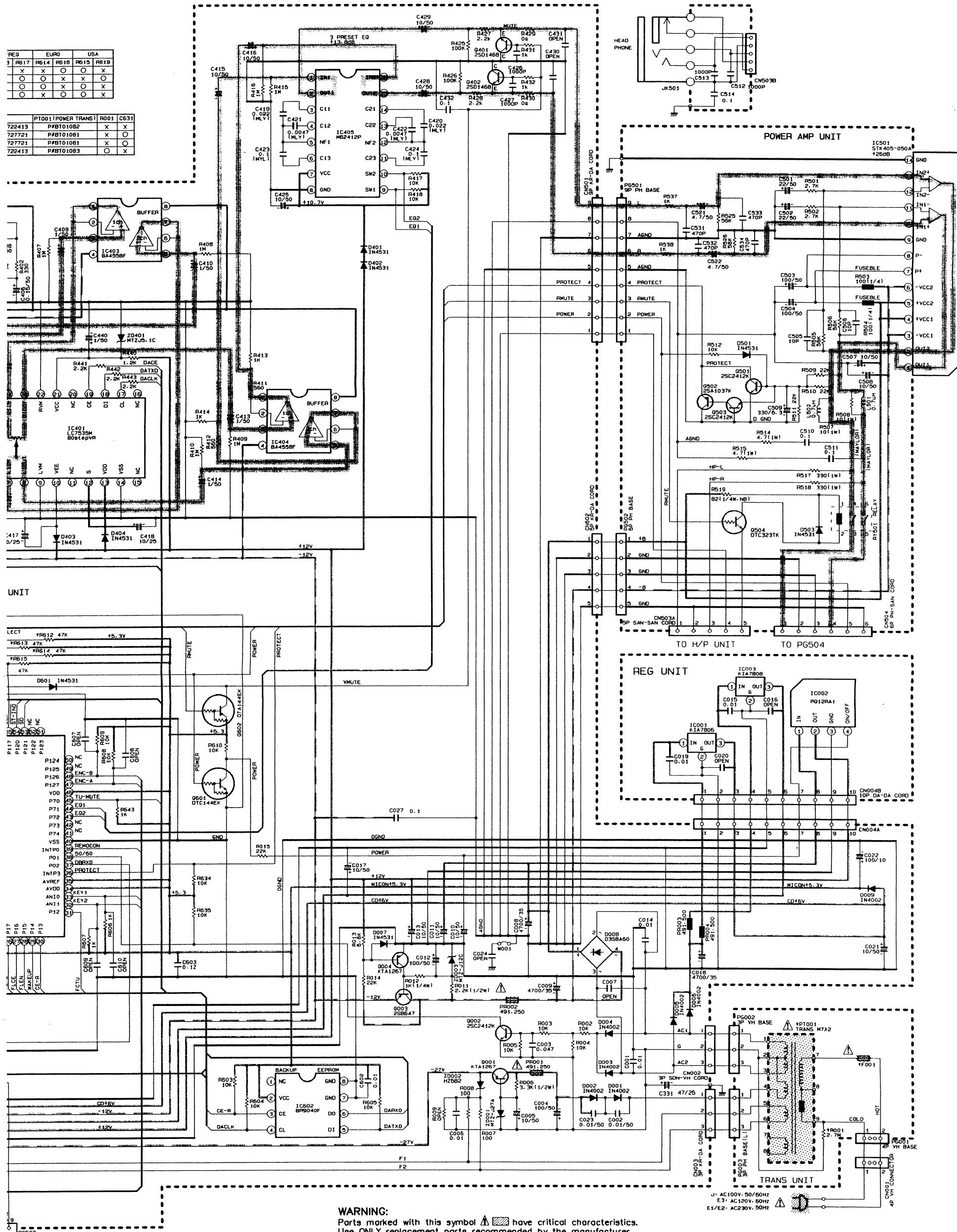
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4

5

A





**WARNING:** Parts marked with this symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

Use ONLY replacement parts recommended by the manufacturer.

**CAUTION:**

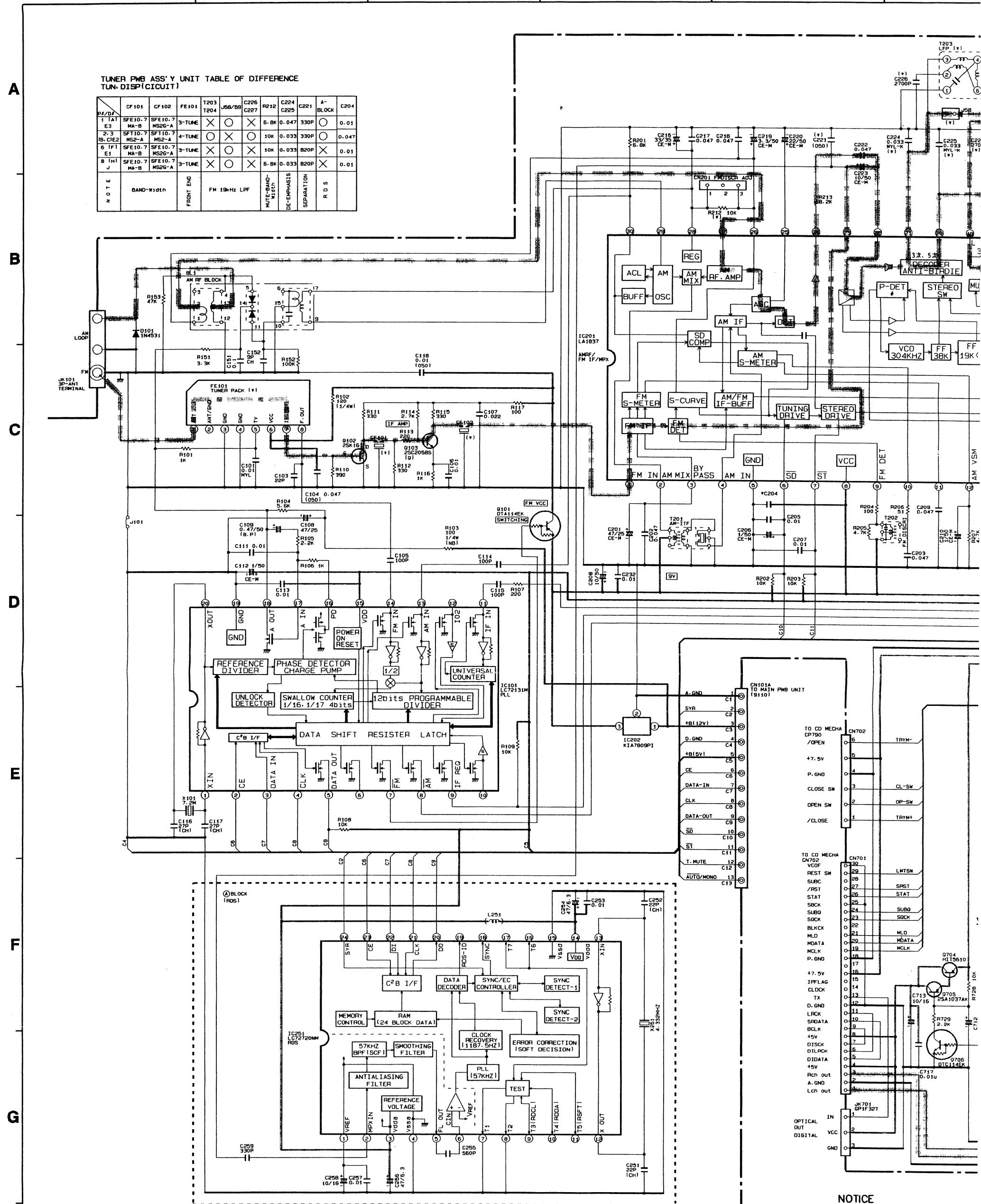
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

**WARNING:**  
DO NOT return the unit to the customer until the problem is located and corrected.

+B LINE  
-B LINE  
SIGNAL LINE

## SCHEMATIC DIAGRAMS (2/2)

1 2 3 4 5 6

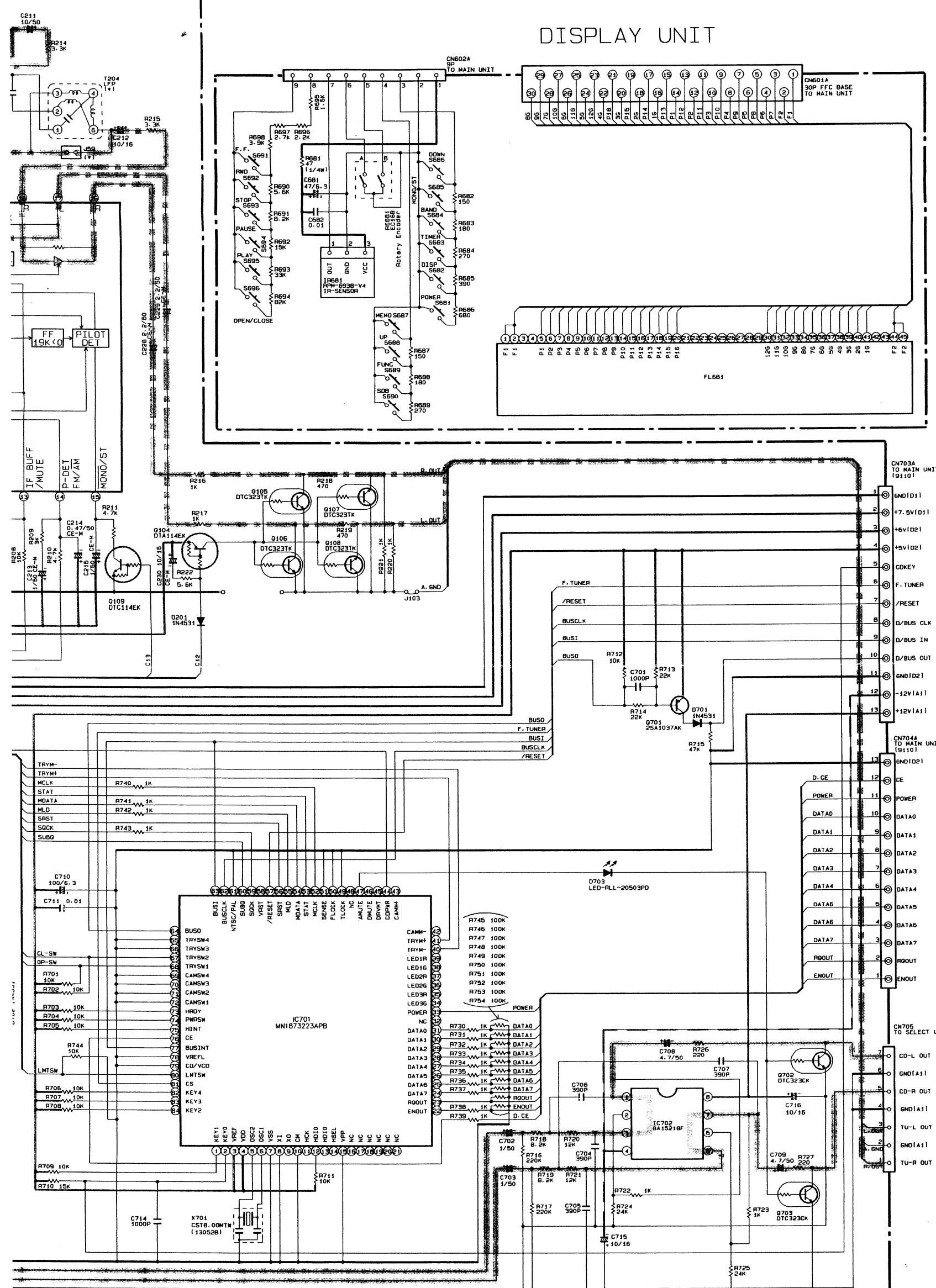


## NOTICE

ALL RESISTANCE VALUES IN OHM  
ALL CAPACITANCE VALUES IN MF  
EACH VOLTAGE AND CURRENT A  
CONDITION.

CIRCUIT AND PARTS ARE SUBJECT  
TO CHANGE.

## DISPLAY UNIT



**WARNING:**

**WARNING:** Parts marked with this symbol   have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

**USE ONLY IN**

**CAUTION:** Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

**WARNING:**

**WARNING:**  
DO NOT return the unit to the customer until the problem is located and corrected.

## +B LINE

-B LINE

### AM SIGNAL LINE

CD SIGNAL LINE